CONSTRUCTION NEWS

Engineering News-Record, July 5, 1923.

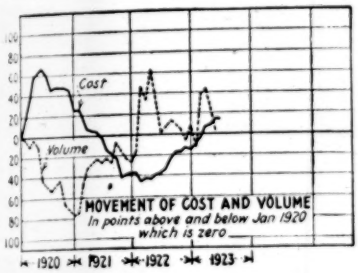
The Construction Barometer

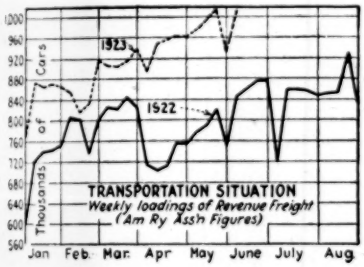
Gain In Large Private Building Contracts—Labor Costs Higher

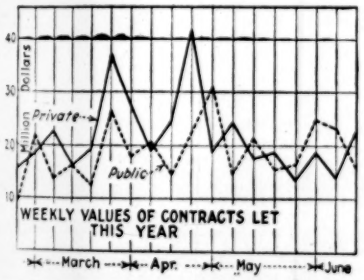
DESPITE several unfavorable factors, industrial activity shows little or no tendency to slow down. June contracts gained substantially in large private projects, despite the recent talk of a "buyers strike" and in the face of high construction costs. Latest Federal Reserve figures show an increase in debits to individual accounts, indicating no falling off in buying.

Production of steel, lumber, cement and other basic materials continues at a high rate and record freight loadings reveal the ability on the part of the railroads to handle the situation.

Wage adjustments, effective July 1, have materially increased cost.







E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Work	Private Work	Total Contracts
June 14	23,681,000	14,052,000	37,733,000
June 21	15,417,000	20,308,000	35,725,000
June 28	15,591,000	39,696,000	55,287,000
3 weeks	$54,689,000	$74,056,000	$128,745,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

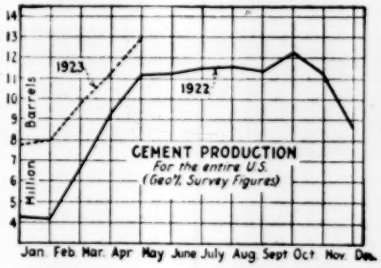
Week Ending	Public No.	Public Work	Private No.	Private Work
June 14	11	7,593,000	36	9,742,000
June 21	9	4,636,000	28	10,941,000
June 28	9	1,375,000	26	33,530,000
3 weeks	29	$13,604,000	90	$54,213,000

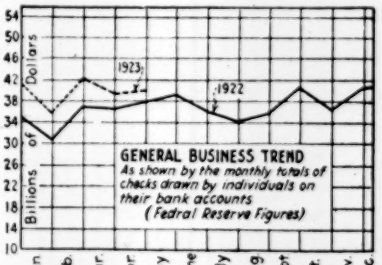
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

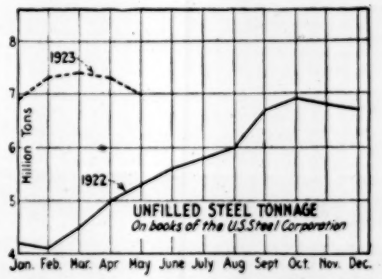
Week Ending	Private	Public: All	Streets and Roads	Waterworks and Sewers	All Buildings
June 14	26	211	80	41	35
June 21	23	205	84	37	37
June 28	23	181	78	29	31

BASE PRICES UNCHANGED IN TWO WEEKS—LABOR HIGHER

	Quoted on July 5, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	59.00	60.00	June 14
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.54	0.53	June 28




1923
1922
Billions of Dollars
GENERAL BUSINESS TREND
As shown by the monthly totals of checks drawn by individuals on their bank accounts
(Fedral Reserve Figures)
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


1923
1922
Million Tons
UNFILLED STEEL TONNAGE
On books of the U.S. Steel Corporation
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 7	Tonawanda, N. Y.	June 28
July 7	Grandview Heights (Columbus P. O.), O.	June 28
July 9	Point Grey, B. C.	June 28
July 16	Lemmon, S. D.	June 28
July 17	Deland, Fla. Adv. June 21 to July 5.	June 21

SEWERS

July 6	Grove City, Pa.	June 21
July 7	Grandview Heights (Columbus P. O.), O.	June 28
July 9	Los Angeles, Calif.	June 21
July 9	Shermerville, Ill.	June 28
July 10	Springwells, Mich.	June 21
July 10	Essex Junction, Vt. Adv. June 28 and July 5.	June 28
July 10	Rutherfordton, N. C.	July 5
July 10	Emporia, Kan.	July 5
July 11	Milwaukee, Wis.	July 5
July 11	Chamois, Mo.	July 5
July 11	Vero, Fla.	June 28
July 12	Anaheim, Calif.	June 28
July 16	Bethlehem, Pa. Adv. July 5.	July 5
July 16	Redwood City, Calif.	July 5
July 17	Louisville, Ky. Adv. June 28 and July 5.	June 28
July 17	Delaware, O.	July 5
July 19	Syracuse, N. Y. Adv. July 5.	July 5
July 26	Chicago, Ill. Adv. July 5.	July 5
July 30	Los Angeles, Calif.	June 28

BRIDGES

July 9	Akron, O.	June 21
July 9	New Jersey Adv. June 28 and July 5.	June 28
July 10	New Richmond, Wis.	July 5
July 10	Washington	June 28
July 12	Indianapolis, Ind.	June 28
July 12	Ft. Wayne, Ind.	June 28
July 18	Phila., Pa. Adv. June 28 and July 5.	June 28
July 25	Bridgeport, Conn. Adv. June 28 and July 5.	June 28
July 31	La Center, Wash.	May 3
Aug. 1	Binghamton, N. Y. Adv. June 28 and July 5.	June 28
Aug. 7	Beaumont, Tex. Adv. June 28 and July 5.	July 5
Aug. 14	Charleston, S. C.	July 5
Aug. 15	Phila., Pa. Adv. July 5.	July 5
Nov. 30	Sydney, Australia Adv. Apr. 19, May 3, June 7 and July 5.	Apr. 19

DAMS

July 16	Beacon, N. Y. Adv. July 5.	July 5

EXCAVATION, DRAINAGE, IRRIGATION

July 10	Ottumwa, Ia.	June 14
July 10	Merced, Calif.	June 28
July 11	Trenton, Mo.	June 28
July 12	Crookston, Minn.	July 5
July 17	Dunkirk, N. Y. Adv. June 21 to July 5.	June 21

Bids Close		See Eng. News-Record
July 21	Savanna, Ill. ..... Adv. July 5.	July 5
July 26	New Orleans, La. ..... Adv. June 28 and July 5.	June 28

STREETS AND ROADS

July 7	Grandview Heights (Columbus P. O.), O.	June 28
July 7	Blacksburg, Va.	July 5
July 9	California	June 21
July 9	Laurel, Miss.	June 28
July 9	New Jersey ..... Adv. June 28 and July 5.	June 28
July 9	Michigan	June 28
July 9	Keyport, N. J. ..... Adv. June 28 and July 5.	June 28
July 9	East Grand Forks, Minn.	June 28
July 9	Kansas City, Mo.	June 28
July 9	St. Paul, Minn.	June 28
July 9	Ft. Davis, Tex.	June 28
July 9	Richmond, Va.	June 28
July 9	Edgerton, Wis.	June 28
July 9	Dayton, O.	July 5
July 9	Des Moines, Ia.	July 5
July 9	Martin, Tenn.	July 5
July 10	Hillsdale, Mich.	July 5
July 10	Racine, Wis.	July 5
July 10	Ukiah, Calif.	July 5
July 10	Columbus, Kan.	July 5
July 10	Jasper, Tex.	July 5
July 10	Michigan	July 5
July 10	Columbus, O.	July 5
July 10	Wapello, Ia.	July 5
July 10	Fairmont, W. Va.	June 21
July 10	St. Albans, W. Va.	June 21
July 10	Nashville, Tenn.	June 21
July 10	Circleville, O.	June 28
July 10	Michigan	June 28
July 10	Washington	June 28
July 10	Florida	June 28
July 11	Louisiana	June 28
July 11	Michigan	June 28
July 11	Vero, Fla.	June 28
July 11	Anderson, S. C.	July 5
July 11	Michigan	July 5
July 12	Michigan	July 5
July 12	Jefferson, Ia.	July 5
July 12	Faribault, Minn.	June 21
July 12	Michigan	June 28
July 12	Brooklyn, N. Y.	July 5
July 13	Michigan	July 5
July 13	Ohio	July 5
July 13	St. George, N. Y.	July 5
July 14	Bolivar, Pa.	June 28
July 15	Western Springs, Ill.	June 28
July 15	La Grange, Ill.	June 28
July 15	South Bend, Wash.	June 28
July 16	Plainfield, N. J.	June 28
July 16	Brooklyn Heights (Cleveland P. O.), O.	July 5
July 16	Redwood City, Calif.	July 5
July 16	Edgerton, Wis.	July 5
July 16	Michigan	July 5
July 17	Troy, N. C.	July 5
July 17	Michigan	July 5
July 17	Central City, Pa.	July 5
July 17	St. Louis, Mo.	June 21
July 17	Pottsville, Pa. ..... Adv. June 21 to July 5.	June 28
July 18	New Mexico	June 28
July 18	Harrisburg, Pa.	July 5
July 18	Michigan	July 5
July 19	Michigan	July 5
July 19	Illinois	July 5
July 19	New Jersey ..... Adv. July 5.	July 5
July 20	Michigan	July 5
July 23	New Jersey ..... Adv. July 5.	July 5
July 24	West Virginia ..... Adv. June 28 and July 5.	June 28
July 25	Boonton, N. J. ..... Adv. July 5.	July 5
July 25	Kentucky	July 5
July 25	Delaware	July 5

INDUSTRIAL WORK

July 6	Verona, N. J.	June 28
July 10	Oshkosh, Wis.	July 5
July 13	New York, N. Y.	July 5

BUILDINGS

July 7	Athens, O.	June 28
July 7	Akron, O.	July 5
July 9	Lakewood (Cleveland P. O.), O.	July 5
July 9	Maplewood, N. J.	June 21
July 9	Easton, Pa.	June 21
July 9	Oshkosh, Wis.	July 5
July 9	Milwaukee, Wis.	July 5
July 9	Towson (Baltimore P. O.), Md.	July 5
July 10	Charleston, W. Va.	July 5
July 10	Holdenville, Okla.	June 28
July 14	Milwaukee, Wis.	July 5
July 15	Astoria, Ore.	June 7
July 15	Knoxville, Tenn.	June 21
July 16	Dover, O.	June 28
July 16	Pawhuska, Okla.	June 28
July 16	Nashville, Tenn.	June 28
July 19	St. Marys, O.	July 5
July 20	Logan, O.	June 28
July 21	Pittsburgh, Pa.	June 28
July 24	Conrad, Pa.	June 21
July 31	Mt. Vernon, N. Y.	July 5
Aug. 1	Jackson, Miss.	June 21

FEDERAL GOVERNMENT WORK

July 9	Steps—Denver, Colo.	June 14
July 9	Dredging — Wilmington, Del. ..... Adv. June 28 and July 5.	June 14
July 10	Conveyor—Memphis, Tenn.	June 21
July 18	Extension—Pearl Harbor, H. T.	June 21
July 18	Fire Protection System — Pearl Harbor, H. T.	May 31
July 18	Storage Facilities — Pearl Harbor, H. T.	June 7
July 19	Tanks—Memphis, Tenn. .. Adv. June 21 to July 5.	June 21
July 19	Dredging—New Orleans, La. ..... Adv. June 21 to July 5.	June 21
July 20	Dredging—Galveston, Tex. Adv. June 21 to July 5.	June 21
July 20	Intake Chamber, etc.—Wash., D. C. ..... Adv. June 21 to July 5.	June 28
July 21	Dredging—Galveston, Tex. Adv. June 28 and July 5.	June 28
July 27	Extension—Marion, O. ... Adv. July 5.	July 5
July 30	Stone—Detroit, Mich. ..... Adv. July 5.	July 5
July 31	Dredging—Baltimore, Md. Adv. June 28 and July 5.	June 28
Aug. 2	Excavation — Wilmington, Del. ..... Adv. July 5.	July 5

MISCELLANEOUS

July 9	Reinforcing Steel—St. Paul, Minn.	July 5
July 11	Cement—Baltimore, Md.	July 5
July 11	Pier—San Diego, Calif.	June 28
July 12	Bituminous Road Material, etc. —New York, N. Y.	July 5
July 12	Dock—New Orleans, La. ..	July 5
July 12	Creosoted Sheet Piling—New Orleans, La.	July 5
July 12	Grain Elevator—Midland, Ont.	July 5
July 16	Lignin Binder — Trenton, N. J.	July 5
July 16	Power Equipment—Taylorville, Ill.	June 28
July 17	Timber Sluice and Sheathing —Wilmington, Del. ..... Adv. July 5.	July 5
July 20	Timber—Webb, N. Y. ..... Adv. June 28 and July 5.	June 28
July 24	Culvert—St. Louis, Mo.	July 5
July 24	Subway—Phila., Pa. ..... Adv. July 5.	July 5
Aug. 1	Gas Pipe Line—Texas	July 5
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Binghamton—Broome Co. plans water system for County Hospital. $15,000. A. E. Kaeppel, supt.

N. Y., Clarence—Bd. Trade plans waterworks. $85,000.

O., Brooklyn Heights (Cleveland P. O.)—See "Streets and Roads."

O., Columbus—Plans 987 ft. 12 in. mains in Capella Ave. $5,428; 6,913 ft. 6 in. mains in Mithoff St., Alioth, Noonday, Morning, Gerrard, Altair and Ashland Aves., $15,902. R. H. Simpson, city engr.

Kan., Overland Park—Clarke & Jacoby, engrs., 528 Shukert Bldg., Kansas City, Mo., soon take bids 4½ mi. 8 in. mains from here to point south of Rosedale, for Shawnee Mission Water Supply Co., c/o Engineers.

Tex., Beaumont—Soon takes bids 500,000 gal. tank on 135 ft. steel tower. $30,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Ft. Worth—City Com. takes bids about July 17, 52,450 ft. 6-10 in. c.i. pipe in Rosen Heights. $25,000. D. L. Lewis, city engr. John B. Hawley, Exch. Bldg., consult. engr.

Ore., Dundee—City Council takes bids about Aug. 1, 2 mi. 4 in. w.i pipe, etc. $15,000 bonds voted. P. J. Groth, city recdr.

Ont., Oshawa—Sonn takes bids 500,000 imperial gal. steel elevated tank on 110 ft. tower. $25,000. W. C. Smith, city engr.

Ont., Whitby—F. W. Thorold, engr., 54 Admiral Rd., Toronto, soon takes bids waterworks intake, 1,000 ft. steel flanged pipe, in dredged channel with anchors, flexible joints, etc., for town. $30,000.

BIDS DESIRED

O., Columbus—See "Streets and Roads."

Mo., Chamois—See "Sewers."

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. 4,250 ft. 6 in. c.i. mains, from T. P. Egan, Caxton Bldg., $14,339; curb connections, from Gantose Constr. Co., Columbia Bldg., $7,014. Noted June 21.

O., Cleveland — Furnishing and laying Random Rd. main, Baldwin-Fairmount Project, Contr. 31, from Joseph Co., 3081 West 14th St., $146,425 (5 months). Noted May 31.

Wis., Milwaukee—Gate house and distribution system at Riverside Pumping Station, from P. Riesens Sons, 1018 Humboldt Ave., $64,777; two 100 kw. Uniflo engines and generators for Riverside Pumping Station, from Ames Iron Wks., 25 East 42d St., Oswego N. Y., $16,250 and $16,850. Noted June 21.

CONTRACTS AWARDED

Pa., Steelton—Water Bd., c.i. pipe to R. D. Wood & Co., 400 Chestnut St., Phila., $23,467.

Md., Baltimore—Bd. Awards, valves for Water Dept., to Kennedy Valve Mfg. Co., 116 East Miller St., Elmira, N. Y., $56,365; standard valves, to A. P. Smith Mfg. Co., Norman St., East Orange, N. J., $64,601. Noted June 28.

Mich., Detroit—Bd. Water Comrs. will lay 4,745 ft. 6 in. mains in Grey Friars, Gleason, Chesterfield, Marsh and Evelyn Aves., St. Patricks and Wetherby Sts., 2,602 ft. 8 in. main in Canterbury and Picadilly Rds., by day labor. T. A. Leisen, Water Works Park, engr.

Kan., Herrington—Waterworks improvements, to Burt & Tripp, Herrington (on basis of concrete paving on dam slope) $176,068. Noted June 14.

Ont., Toronto—York Twp., 40 Jarvis St., waterworks system, 6 and 12 in. c.i. mains to National Iron Corp., Cherry St., $50,025; hydrants to J. T. Hepburne, Ltd., 18 Van Horne St., $2,238; valve chamber covers to Dominion Wheel & Foundries, 131 Eastern Ave., $3,508; 6 and 12 in. gate valves to Drummond McCall Co., 373 Front St. E., $8,660; c.i. specials to J. T. Hepburne, 18 Van Horne St., $2,270; laying mains in Almeda, Pope and Donlands Aves., to G. Thompson, 40 Jarvis St., $5,000; in Eglington, Grey and Hamsbad Aves., to C. E. Smith, 180 Fern Ave., $1,440. Noted Dec. 21.

Sewers

PROPOSED WORK

N. Y., Rochester—Plans outlet sewers in Highland and Steko Aves., De Neve and Rand Sts. $137,000. C. A. Poole, city engr.

W. Va., Bluefield—See "Buildings."

O., Marion—Aug. 7 to vote on $200,000 bonds for trunk line storm sewer. Noted Mar. 29.

Mich., Ann Arbor—See "Streets and Roads."

Ia., Des Moines—Soon takes bids South Side Sewer Dist., vitr. pipe (for smaller lines) and sectional pipe of concrete, clay or brick (for larger lines). $600,000. K. C. Kastberg, city engr.

Kan., Lyons—C. A. Haskin, engr., 517 Finance Bldg., Kansas City, Mo., takes bids about Aug. 1, sanitary sewerage system. $90,000. Noted May 24.

Neb., Kearney—Election soon to vote on $150,000 bonds for storm sewers.

Mo., Maplewood (St. Louis P. O.)—Rescinded contract for 15,640 ft. 8-36 in. vitr. clay and 500 ft. 42 in. segmental block sewer, etc., in Manchester Sewer Dist. 2. Will ask new bids. Noted June 21.

Calif., Compton—Voted $25,000 bonds for sewerage system. E. M. Lynch, Central Bldg., Los Angeles, engr. Noted Apr. 5.

Calif., Olidale—Plans to vote on $77,000 bonds for sewerage improvements.

BIDS DESIRED

N. Y., Syracuse—July 19, at office of Syracuse Intercepting Bd., 104 City Hall, intercepting sewer, Contrs. 37, 38 and 39. H. J. Hamlin, secy.; adv. this issue.

Pa., Bethlehem—July 16, by City Clerk, 5 mi. 8-20 in. sanitary sewers in 16th and 17th Wards. R. L. Fox, city engr.; adv. this issue.

Pa., Central City—See "Streets and Roads."

N. C., Rutherfordton—July 10, sewerage system and disposal plant. Carolina Eng. Co., Wilmington, engrs. J. F. Flack, clk.

O., Brooklyn Heights (Cleveland, P. O.)—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

O., Delaware—July 17, by W. H. Duffy, dir. Pub. Serv., Columbus, sewage disposal plant, 5,000 cu.yd. earth and 3,000 cu.yd.

Sewers (Continued)

rock excav., 840 cu.yd. concrete, 8,000 lb. reinforcing and 8,000 lb. cast iron, etc., also 2 sewage ejectors, 250 g.p.m. capacity, at Girls Industrial Home, here. $150,000. C. B. Hoover, 252 17th Ave., Columbus, engr. Noted June 28.

Ill., Chicago—July 26, by H. E. Wallace, clk., Sanitary Dist. of Chicago, 910 South Michigan Ave., for North Side Sewage Treatment Works, Div. A, aeration tanks, settling tanks and operating galleries. W. O. Nance, chn. of Comm. on Finance; adv. this issue.

Wis., Milwaukee—July 11, by Dept. Pub. Wks. storm sewers in various streets. $124,000. F. W. Ullins Jr., sewerage, engr.

Kan., Emporia—July 10, by E. T. Mendel, city clk., sanitary sewers incl. main sewers L. M. N. P and &, and lateral sewers in Dists. 101, 103, 104, 105, 108 to 116 inclusive, 12,922 lin.ft. 8-12 in. v.s. pipe, etc. R. J. Paulette, engr. and water supt.

Mo., Chamois—July 11, by W. B. Rollins & Co., engrs., 521 Ry. Exch. Bldg., Kansas City, sewers and waterworks, here, for city. $30,000. Noted June 14.

Calif., Redwood City—July 16, by City Trustees, sewers in portions of Reese, Hudson and Oak Sts., etc., 2,096 lin.ft. 8 in. and 11,742 lin.ft. 6 in. vitr. pipe, 11,562 lin. ft. 4 in. vitr. pipe laterals, etc. C. L. Dimmitt, city engr. Noted Feb. 8.

BIDS RECEIVED

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, June 27, sewer in (1) Lake St. (2) 54th St. (3) Sedgwick Pl. sewer basins on (4) East 10th St. (5) East 10th St. (6) Beverly Rd., from Nazzaro & Querriero, (1) 87.79% engrs. est. ($4,609); Manmill Constr. Co., 2035 Douglas St., (2) 98% ($3,062) (3) 97% ($2,443) (4) 87.5% ($1,600) (5) 87.5% ($1,600); J. McBride (6) 100% ($400). Noted June 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm sewer in 32nd Ave., from Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, Type A $135,476, Type B $125,786. Noted June 21.

Md., Linthicum Heights—Anne Arundel Sanitary Comn., June 21, sewers in Sanitary Dist. Contr. 2-S, 18,762 lin.ft. vitr. pipe, from P. Agrios, 3641 13th St., N. W., Wash., D. C., $30,952; Sanitary Dist. Contr. 1-S, 9,065 lin.ft. vitr. clay pipe, from E. C. Baker, Uniontown, Pa., $20,083. Noted June 7.

O., Idlewood (Cleveland Heights P. O.)—For 4,030 ft. 10-24 in. tile sewers in Eaton Pl., from J. B. Lynn Constr. Co., The Arcade, Cleveland, $22,096. Noted June 14.

Mich., Detroit—For 1,620 ft. brick or monolithic concrete sewer, 9 ft. 3 in. cylinder, in Cadieux Rd., open cut, from Anderson & Campbell, 400 Penobscot Bldg., $51,330; 4,487 ft. of 6 ft. sewer in Annsbury Ave. Arm, open cut or tunnel work, from S. Healy, Detroit, $65,508; 950 ft. of 24 in. crock sewer in Davison Ave. Arm., open cut work, from A. Arcari, Detroit, $13,229.

CONTRACTS AWARDED

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewer in Jarvis Ave., to McDonald & Wilson, $5,669; Pelham Parkway, to Anita Constr. Co., 2975 Marion Ave., $40,042; Tryon Ave., to Spadero & Turiano, 3185 East Tremont Ave., $5,417. Noted June 28.

O., Bexley (Columbus P. O.) — S. W. Roderick, village clk., 5,080 ft. 5-36 in. vitr., concrete and segmental block sewer in Astor Ave., Mound and Charles Sts., to E. W. Deasley, Linwood Ave., Columbus, $23,440. Noted June 21.

O., Euclid—For 110 ft. 6 in. concrete and 975 ft. 24 in. tile trunk inlet sewer in Lake Shore Blvd. and Bliss Rd., to C. W. Jackson, 1318 East 84th St., Cleveland, $35,247. Noted June 28.

Kan., Sterling—Sanitary sewerage system, to Burt & Tripp, Hutchinson, 53,112 ft. pipe 8 in. $0.45, 10 in. $0.55, 12 in. $0.70, etc., total $62,570. Noted June 7.

Mo., University (St. Louis, P. O.)—E. B. Colby, city clk., to Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, 1,861 ft. 36 in. vitr. sewer in River Des Peres, $20,302, engrs. est. $20,536, 1,765 ft. 12-27 in. vitr. sewer in Ferguson Ave., $6,934, engrs. est. $3,934. 1,460 ft. 12-21 in. vitr. sewer in Dist. Sewer 19, $5,440, engrs. est. $5,440. Noted June 21.

Calif., Pasadena—Constructing sewers in Dist. 7, to Fredrickson & Shannon, Cory Bldg., Fresno, $137,409.

Bridges

PROPOSED WORK

Fla., Lynn Haven—Bay Co. (Panama City), plans new bridge, here. $50,000 bonds authorized. Engineer not selected.

Fla., St. Lucie—Florida East Coast Ry. Co., St. Augustine, plans 60 ft. draw bridge over St. Lucie River, here. $25,000. C. Oberdorf, St. Augustine, constr. engr.

Ky., Paris—See "Streets and Roads."

Ohio—See "Streets and Roads."

Michigan—See "Streets and Roads."

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, rejected bids constructing bridges, s means steel, c g concrete girder, sub structure, and super superstructure; 3c-1-2B, White means 3 concrete, Route 1, Sect. 2B, White Co., 3 c-1-3B-White, 2 c-1-28B-White, 1 c and 1 sub-1-38B-Johnson, 1 super-1-38C-Johnson, 1 super-1-39C-Massac, 2 c-2-55B-McLean, 2 c-2-62B-McLean, 1 sub-2-63B-McLean, 1 super-2-63C-McLean, 2 c-3-23B-Mercer, 1 super-3-59C-Madison, 1 sub-3-59B-Madison, 1 s and 1 c-3-74B-Randolph, 1 c-6F-Cook, 1 sub and 1 c-7-Project 7-Sect. R-2-Bureau, 1 super-7-Project 7-Sect. R-3 Bureau, 3 c-8-25B-Livingston, 1 c-24-4B-Christian, 1 super-33-4C-Jasper 3 c and 2 sub-34-1B-Saline, 3 super-34-1C-Saline, 5 c-34-2B-Saline, 7 c-34-3B, Pope-Hardin, 3 c-34-4B-Hardin, 3 c and 1 sub-34-5B-Hardin, 1 super-34-5C-Hardin. Noted May 24.

Tex., Crockett—Hurricane Shoals Bridge Co. takes bids in summer 440 ft. steel highway bridge over Trinity River at Hurricane Shoals. $25,000. M. Brownberg, pres.

Tex., Ft. Worth—Northern Texas Traction Co., Main and 2nd Sts., making plans and takes bids late in summer street railway bridge, probably concrete, across Sycamore Creek on carline extension to Riverside. $125,000. J. M. Hardesty, ch. engr.

Wash., Omak — Comrs. Okanogan Co. (Okanogan) rejected bids opened June 20, 408 ft. steel bridge, 5 span, 20 ft. wide, 5 ft. walks. Will readvertise. $75,000. Noted June 7.

Que., Three Rivers—Plans steel bridge over St. Maurice River. $150,000. A. Normand, mayor.

BIDS DESIRED

Pa., Phila.—Aug. 15, by Delaware River Bridge Joint Comn., 806 Widener Bldg., 2 main cables of bridge over Delaware River, connecting Phila., Pa., and Camden, N. J., Contr. 8. G. Pinchot, chn.; adv. this issue.

S. C., Anderson—See "Streets and Roads."

S. C., Charleston—Aug. 14, by Charleston Co. Sanitary & Drainage Comn., 1,733 ft. bridge, 34 ft. driveway, over Ashley River, 43 ft. wide, superstructure involves 7,000 cu.yd. concrete, 1,400,000 lb. reinforcing, 6,000 sq.yd. paving, 5,400 lb. structural steel, etc., substructure 11,000 cu.yd. concrete, 80,000 lb. reinforcing, 55,000 lin.ft. concrete piling, 10,000 cu.yd. sand filling, 16,000 ft. creosoted timber. Steel bascules will take place of draw span. Noted Apr. 19.

S. C., Sumter—July 5, by Sumter Co., Permanent Rd. Comn., creosoted timber bridges over Black River Swamp on Shiloh Rd., 25,000 cu.yd. embankment, 94,833 ft. creosoted timber, 4,456 lin.ft. creosoted piling, 1,031 sq.yd. bituminous surface treatment, etc. Lee, Pennell & Murray, Sumter, engrs.

Kentucky—See "Streets and Roads."

Ohio—See "Streets and Roads."

Wis., New Richmond—July 10, by State Hy. Comn. at office City Clerk, City Hall, New Richmond, Willow River Bridge, here, concrete deck girder, two 50 ft. spans, 30 ft. roadway and two 6 ft. sidewalks. A. R. Hirst, Madison, highway engr.

Tex., Beaumont—Aug. 7, by B. B. Johnson, judge Jefferson Co., for Neches River Bridge. A. C. Love, co. engr.; adv. this issue.

California—July 9, by Supervs. Yolo Co., (Woodland) and Supervs. Solano Co., (Fairfield), 337 ft., rein.-con., bridge over Putah Creek, Yolo Co. To exceed $35,000. A. G. Proctor, surv. Yolo Co.

BIDS RECEIVED

Fla., Sulphur Springs—State Rd. Dept., Tallahassee, 172 ft. rein.-con. bridge, 30 ft. wide, 4 spans, bituminous macadam surface, over Hillsboro River, from R. Mugge Co., Bay View Hotel, Tampa, $61,105. Noted June 21.

Ohio—See "Streets and Roads."

Colorado—See "Streets and Roads."

CONTRACTS AWARDED

Fla., Bradentown — See "Streets and Roads."

Ky., Irvine—Estill Co., steel truss highway bridge over Kentucky River in South Irvine, to Internatonal Steel & Iron Co., 243 Edgar St., Evansville, Ind., $49,975. Noted June 28.

Ohio—See "Streets and Roads."

O., Cincinnati—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., 511 West 3rd St., one 76 ft. and four 80 ft. steel girder spans, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $50,000. Engrs. est. $45,000. Noted May 24.

O., Cincinnati—Peoria & Eastern Ry Co., 511 West 3rd St., five 85 ft. and five 94 ft. steel girder spans, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $68,000. Engrs. est. $67,500. Noted May 24.

Wisconsin—See "Streets and Roads."

Ia., Davenport—Scott Co., to O. Holm, Everly, 16 box culverts, $13,350; Vinton Eng. & Constr. Co., Vinton, 2 pony trusses, 7 box culverts and 1 slab, $21,790; A. Olson Constr. Co., Waterloo, 9 box culverts and 1 pony truss, $18,995; W. D. Phelan Co., Davenport, 5 I-beams, 8 box culverts and 1 pair abutments, $43,150; Federal Bridge Co., Bankers Trust Bldg., Des Moines, 8 box culverts, 1 slab and 1 I-beam, $16,990. Noted June 28.

Ia., Le Mars—Plymouth Co., to H. Enterline, Rock Rapids, 14 box culverts $8,177, concrete figures $25,12; J. C. Peterson, Tyler, Minn., one I beam $4,000, concrete $28.50, and 13 box culverts $8,000, concrete $22.65; Vinton Eng. and Constr. Co., Vinton, 5 pony trusses, $52,000, concrete $26.80.

Tex., Lufkin—Angelina Co., 279.4 ft. bridge, incl. one 150 ft. steel span and 7 concrete slabs, over Neches River on State Highway 35, to Brown-Abbott Co., Inc., Wilson Bldg., Dallas, $30,250. Engrs. est. $33,275.

Tex., Richmond—Ft. Bend Co. rein.-con. bridges and culverts on State Highway 3, to M. M. Craven, Missouri City, $84,664. Engrs. est. $96,000. Noted June 21.

Ia., Boone—Boone Co., to Alexander & Higbie, 273 36th Ave., Des Moines, 80 ft. pony truss and 18 ft. slab bridge, $10,472; Des Moines Steel Co., 421 Southwest 4th St., Des Moines, one 50 ft. one 90 ft. and two 60 ft. pony trusses $25,354; McHose Sand & Tile Co. Boone, one 24 ft. slab, $2,703; R. E. Shackelton, Perry, one 32 ft., one 36 ft. and one 40 ft. I beam spans, one 16 ft. slab and two 8 x 10 ft. box culverts, $16,115.

Calif., San Leandro—Supervs, Alameda Co. (Oakland), repairing bridge over San Leandro Creek on 14th St., here, to W. B. Ellis, 2236 Grove St., Berkeley, $24,818. Noted June 21.

Dams

PROPOSED WORK

Conn., Meriden—Plans repairing Broad Brook Dam. $25,000. A. Hazen, 30 East 42nd St., New York City, engr.

BIDS DESIRED

N. Y., Beacon—July 16 (change of date) by City Council, 525 Main St., dam at Melzingah Reservoir. K. W. Krieger, Jr., Poughkeepsie, consult. engr.; adv. this issue. Noted June 21.

Railways

PROPOSED WORK

Kentucky—Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, plans second tracking on 39.18 mi. line from Walls End to Harlan on Cumberland Valley Div. $3,527,000. W. H. Courtenay, ch. engr.

Texas—Houston & Texas Central Ry., Field St., Dallas, takes bids about July 20, belt line railway around city near White Rock Reservoir. $300,000. H. M. Lull, c/o Southern Pacific Ry. Lines, Houston ch. engr.

BIDS DESIRED

Idaho—Oregon Short Line R.R., Deseret News Bldg., Salt Lake City, Utah, receiving bids 22 mi. standard gauge line from Orchard to Perkins, here. $3,000,000. W. R. Armstrong, asst. ch. engr. Noted Nov. 30.

CONTRACTS AWARDED

Kentucky—Louisville & Nashville R. R., 10th St. and Bway., Louisville, grading and masonry work for 16.63 mi. second track from Baileys to Walls End, to Nichols Contg. Co., Trust Co. of Georgia Bldg., Atlanta, Ga., several hundred thousand dollars. Noted June 28.

Ontario—Michigan Central Ry. Co., 15th St., Detroit, Mich., 5 mi. new sidings, switches, ballasting and grading, at St. Thomas Yards, to Dominion Constr. Co., 14 Wellington St., E. Toronto. Engrs. est. $500,000. Noted June 14.

Excavation, Drainage Irrigation

PROPOSED WORK

Mich., Detroit—Wayne and Washtenaw Counties, Wayne Co. Bldg., had plans prepared 19,320 ft. drain in Canton and Van Buren Twps., to be known as Simes Drain, 4.5 ft. deep, 2 ft. bottom width. G. A. Dingman, Wayne County Bldg., engr.

Excavation, Drainage and Irrigation
(Continued)

Wis., Port Washington—Farm Drains 6 and 7, G. S. Hales, secy., Courthouse, plan Farm Drain 6, involving 9,000 lin.ft. 8-12 in. tile, located 3 mi. west of Cedarburg. Farm Drain 7, 22,000 lin.ft. 6-22 in. tile. (2,000 lin.ft. to be 22 in.) near Ulao. Engineer not selected.

Minn., Mankato — Blue Earth Co. authorized $399,500 bonds for drainage and roads. J. W. Hruska, Mankato, engr.

BIDS DESIRED

Minn., Crookston — July 12, by H. J. Welte, aud. Polk Co., (Crookston) and H. K. Rude, aud. Clearwater Co. (Bagley), Judicial Ditch 72, 356,537 cu.yd. excav., 28.5 mi. level road, 1,060 lin.ft. 15 in. culvert pipe, fourteen 16 ft. and one 24 ft. span timber bridges. $51,470. S. Steenerson, Crookston, engr.

Ill., Savanna—July 21, by Carroll Co. Drainage and Levee Dist. 1, at office H. P. Greison, secy., oil engine driven pumping plant, and building to house same. Former bids rejected. Elliott & Harman Eng. Co., Peoria, engrs.; adv. this issue. Noted June 7.

BIDS RECEIVED

N. Y., New York—J. H. Delaney, comr. Docks, Pier "A," North River, June 26, dredging at street cleaning dumps in Boros of Manhattan and Brooklyn, Contr. 1808, from Columbia Dredging Co., 30 Church St., Item 1 $0.75, Item 3 $1; L. E. Dodge, 564 Rugby Rd., Brooklyn, Item 4 $1.24. Noted June 21.

CONTRACTS AWARDED

Ontario — Dept. Pub. Wks., Parliament Bldg., Ottawa, dredging in harbor of Ft. William and Port Arthur, to D. S. Pratt, Midland. Est. cost $300,000. Noted June 14.

Streets and Roads

PROPOSED WORK

N. Y., New York—Park Bd., Municipal Bldg., rejected bids May 24, road and paths, etc., from Eastern Blvd. to City Island Rd., in Pelham Bay Park, Bronx Boro. Will readvertise. Noted May 31.

N. Y., Rochester—Plans asphalt paving Admiral Pk., Lehigh and Wisteria Sts., $43,-200; walks and grading Southview Terrace, Hewitt and Huron Sts., $9,800; surface treating South Ave. $3,000; opening Wesp Ave. $6,000; extending Wilder Terrace and Alpha St. $1,020; tract, walks and grading Lake Ave. $20,600. C. A. Poole, city engr.

N. J., Belvidere—Warren Co. plans concrete paving 5 mi. Riegelsville-Warren Glen Rd. $248,000. State to appropriate toward cost. H. W. Vetter, Belvidere, engr.

Maryland—State Rds. Comn., Baltimore, rejected bids opened June 19. Contrs. Cl-40, F-60, Ch-27, AA-34, Carroll, Frederick, Charles and Anne Arundel Counties. Will readvertise. J. N. Mackall, chn. Noted June 7.

W. Va., Bluefield—See "Buildings."

Fla., Panama City—Bay Co. plans paving road from Red Fish Point to County line, $29,000; road from Lynn Haven Bridge via Vicksburg, West Bay and Pine Log Creek, $39,000; road from Vicksburg to Washington Co. line and from Parker to Lynn Haven, $43,000. Engineer not selected.

Ky., Henderson—Soon takes bids paving 2 mi. North Main, South Elm, North Green, South Green and Washington Sts., 40,000 sq.yd. asphalt. J. H. Cunningham, comr. pub. wks.

Ky., Paris—Bourbon Co. sold $100,000 bonds for road and bridge work.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids opened June 15, grading, bridging and paving 2.5 mi. Sect. "G" Ironton-Jackson Rd., Lawrence Co. Noted June 21.

O., Cincinnati—Making plans improving Clearview subdivision $25,000. E. F. Layman, 514 Main St., engr.

O., Lisbon—Columbiana Co. plans grading and improving 1⅞ mi. Columbiana-Middleton Rd., 18 ft., $40,000.

O., Warren—Plans widening and repaving West Market St., from 42 ft. to 54 ft. $75,000.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and concrete surfacing 1⅞ mi. State Trunk Line Rd. 21-10 and 47-8, 20 ft., Owasso Co., 3 mi. Federal Aid Project 98, 18 ft., Kent Co., 1 mi. State Trunk Line Rd. 21-22, 20 ft., Lyons Co., 8 mi. Federal Aid Project 108, 18 ft., Marquette Co., 7⅛ mi. Federal Aid Project 99, 18 ft., Kalamazoo Co.; grading and asphalt, concrete or bituminous concrete surfacing 1⅛ mi. State Trunk Line Rd. 11-22, 18 ft., Berrien Co., 2⅛ mi. Federal Aid Project 89, 20 ft., Calhoun Co.; grading and graveling 9 mi. State Trunk Line Rd. 26-7, Sect. B, 16 ft., Gogebic Co.; grading and concrete and gravel surfacing 1 mi. State Trunk Line Rd., 21-20, 16 and 20 ft. in Pewamo; grading and concrete or bituminous macadam surfacing 1⅛ mi. State Trunk Line Rd. 11-16, 18 ft. in Alanson; grading and surfacing 1 mi. State Trunk Line Rd. 35-5, Sect. E, 20 ft., Marquette Co.; 60 ft. concrete arch Bridge 580902, 42 ft. roadway, Monroe Co. F. F. Rogers, comr.

Mich., Ann Arbor—Making plans 20,000 ft. curbs and gutters in districts 50 to 61 inclusive, 3,700 ft. 4 and 8 in. vitr. sanitary sewer in districts 127 to 131 inclusive. E. G. Reynolds, city clk.

Mich., Detroit—Making plans paving with 3½ in. sheet asphalt on 8 in. concrete, 8,000 sq.yd. Parkside Ave. $47,610, $9,000 sq.yd. Post St. $54,050, 11,000 sq.yd. Lonyo St. $70,204, 1,700 sq.yd. Washburn Ave. $10,-450, 5,500 sq.yd. Lakewood Ave. $33,180, 3,500 sq.yd. Parkhurst Pl. $21,230, 2,400 sq.yd. Green Ave. $14,880, $27,000 sq.yd. Puritan Ave. $165,970, $1,800 sq.yd. Shoemaker Ave. $10,720, 5,300 sq.yd. Lakeview Ave. $31,740; 3½ in. sheet asphalt on 6 in. concrete 5,400 sq.yd. Shrewsbury Ave. $27,202, 3,500 sq.yd. Roslyn Ave. $18,830; all to have Berea, Medina or concrete curbs. J. W. Reid, City Hall, engr.

Mich., Grosse Ponte Farms — Making plans grading and paving 19,348 sq.yd. 9 in. one course concrete on Kerby Ave. $75,000. R. H. Erley, Village Hall, engr.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, rejected bids grading 5.51 mi. 1-2A-White means 5.51 mi. Route 1, Sect. 2A, White Co., 2.53 mi. 1-3A-White, 5.88 mi. 1-28A-White, 4.34 mi. 1-38A-Johnson, 4.81 mi. 1-39A-Massac, 4.89 mi. 1-40A-Massac, 3.49 mi. 2-21A-Fayette, 5.04 mi. 2-22A-Fayette, 9.58 mi. 2-37A-Ogle, 0.84 mi. 2-46A-Shelby, 1.01 mi. 2-47A-Macon, 2 mi. 2-66A-McLean, 0.89 mi. 2-63A-McLean-Woodford, 7.86 mi. 3-59A-Jersey-Madison, 2.86 mi. 3-60A-Madison, 0.86 mi. 3-67A-Monroe, 5.77 mi. 3-69A-Monroe, 7.25 mi. 3-70A-Monroe-Randolph, 3.67 mi. 5-24A-Jo Daviess, 6.72 mi. 5-25A-Jo Daviess, 1.55 mi. 5-26A-Jo Daviess, 7.17 mi. 7 and 29-Project 7-Sect. R-Bureau, 1 mi. 7-Project 55-Sect. R-1, Bureau, 0.64 mi. 7-Project 55-Sect. 14-A Bureau, 7.45 mi. 16-2 A-Montgomery, 1.53 mi. 33-1A-Crawford, 4.57 mi. 34-1A, Saline, 5.78 mi. 34-2A Saline, 5.32 mi. 34-3A-Pope-Hardin, 5.6 mi. 34-4A-Hardin, 6.54 mi. 34-5A-Hardin. Noted Apr. 26 and May 24.

Ill., Edwardsville—Making plans grading and concrete paving 4,300 ft. various streets, $45,000. Sheppard & Morgan, Bank of Edwardsville Bldg., engrs.

Wis., Stevens Point—Making plans paving Illinois Ave., Fremont, Dixon, Church and 1st Sts. W. L. Bronson, clk.

South Dakota—State Hy. Dept., Pierre, plans grading, etc., 19.85 mi. Federal Aid Project 75, Perkins and Corson Counties, $94,637; graveling 36.5 mi. Federal Aid Project 152, Codington, Grant and Roberts Counties, $82,196. F. D. Hudgins, state highway engr.

Mo., Kansas City — L. Koehler, engr., Court House, opens bids about July 16, resurfacing 10½ mi. Brickner-Silsby Rd., 17 ft., asphaltic top, for Jackson Co.

Mo., Kansas City — L. Koehler, engr., Court House, takes bids in about 3 weeks grading and resurfacing 9 mi. Wood Chapel Rd., 19 ft., tar top, resurfacing 7 mi. Blue Springs-Tarsney Rd., 17 ft., new top cushion; bids in about 30 days grading and resurfacing 8½ mi. Hickman Mills-Lee Summitt Rd., 16 ft., tarvia preparation on top, 9 mi. Oak Grove Rd., 18 ft., new cushion tar top, for Jackson Co.

Tex., Brenham—Washington Co. postponed date for opening bids for grading, bridging, etc., 17.3 mi. State Highway 36 and 19.2 mi. Brenham-Washington Rd. Will readvertise soon. G. A. Bracher, co. engr. Noted June 7.

Tex., Angleton—Brazoria Co. making plans grading and shell surfacing 6 mi. Danbury Rd., State Highway 19-A, 16 ft. $50,369. E. N. Gustafson, Angleton, engr.

Tex., Barstow—Ward Co. making plans grading, caliche and gravel surfacing 5.5 mi. Bankhead Highway, 18 ft. $45,180. R. E. Booker, Monahans, engr.

Tex., Dallas—City Com. takes bids about Aug. 20, widening 10 blocks Live Oak St. $390,000. E. A. Kingsley, city engr.

Tex., Ft. Worth—Tarrant Co. soon takes bids resurfacing with bituminous macadam, widening, etc., 7 mi. State Highway 10, $166,000; 3½ mi. State Highway 40, $50,000. D. A. Davis, co. engr.

Tex., Memphis—Hall Co. defeated $200,-000 bond issue to grade, gravel surface, etc. Colorado Gulf Highway and road in Estelline Rd. Dist. A. C. Hoffman, co. judge. Noted June 7.

Tex., Memphis—Hall Co. voted $100,000 bonds for roads in Turkey Precinct. A. C. Hoffman, co. judge.

Tex., Palestine—Anderson Co. making plans grading and bituminous macadam surfacing 10 mi. Athens Rd., 18 ft. $245,000. E. W. Davis, co. engr.

Idaho—State Highway Comn., Boise, soon takes bids paving 2 mi. Fruitland-Payette Rd. $81,000. D. P. Olson, dir. highways.

Calif., San Diego—Common Council plans paving Pershing Ave. between University Ave. and Balboa Park, 102,808 sq.ft. 2½ in. asphalt on concrete, 951 sq.ft. concrete sidewalks. F. A. Rhodes, city engr.

Calif., San Diego—Had plans prepared paving Elm St., 9,593 sq.yd. 2½ in. asphaltic concrete with ½ in. wearing surface. F. A. Rhodes, city engr.

Calif., San Diego—San Diego Co. had plans prepared grading and paving with 5 in. concrete with 8 in. edge or 3½ in. asphaltic concrete base, 1½ in. wearing surface, 37,960 sq.yd. Inland Route from Buena to Vista, 32,208 sq.yd. Inland Route from Barnardo to Escondido; paving with 1½ in. asphaltic concrete on 5 in. concrete 29,923 sq.yd. Adams Ave. from city limits of San Diego to Canyon Bridge. J. M. Heath, Courthouse, engr.

Que., Montreal—City soon takes bids constructing 4 ft. sidewalks on Victoria, St. Donat, Montclair, Monkland, Melrose, Fortune, Chambly and Calbrooke Sts., $50,000 paving Cathcard, Monkland and Hutchison Sts. H. Terreault, dir. pub. wks.

Ont., Brantford—Plans paving with asphalt and brick block Elgin, Murray, Clarence and Chatham Sts.; concrete curbing and guttering Clarence, Murray, Chatham and Marlborough Sts. $60,000. F. P. Adams, city engr.

Ont., Oshawa—City Council plans to resurface ⅔ mi. Simcoe and King Sts., 15,000-16,000 sq.yd. asphalt. $30,000. W. C. Smith, city engr.

Ont., Toronto—Soon takes bids paving with asphalt and brick block Glendonwynne Rd. $26,900, paving with asphalt Cloverlawn Ave. $3,842, Suffolk Pl. $5,091, paving with bitulithic Oakcrest Ave. $23,316, Woodbine Ave. $6,551; widening and asphalt paving St. Clair Ave. $181,218; concrete sidewalks on Carthness, Haslett, Cloverlawn, Coxwell and Fairlawn Aves., Balliol, Haddon and Minto Sts. $38,312; concrete curbing and sidewalks on Glendonwynne Rd., Cambridge, Carthness and Haslett Aves. $30,000. R. C. Harris, city engr.

Ont., Waterloo—Plans paving ⅔ mi. Duke, Willow, George, John and Herbert Sts. 10,000 sq.yd. asphalt or concrete. $35,000 J. C. Haight, clk.

BIDS DESIRED

N. Y., Brooklyn—July 11, by E. Riegelmann., boro pres., Boro Hall, asphalt paving Delamere Pl., Gelston Ave., Bay 31st, East 40th, 66th, 70th, 72nd and 90th Sts.; grading, curbing and flagging Delamere Pl.; asphalt repaving Tompkins Ave.; recurbing where necessary and asphalt paving 6th Ave. Former bids rejected. Noted June 28.

N. Y., St. George — July 13, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Post Ave. granite block on present concrete foundation; Bway., granite block on new concrete foundation.

New Jersey—July 19, by Pohatcong Twp. Com., at Schoolhouse, Springtown, grading, etc., Riegelsville-Warren Glen Rd., Warren Co. H. W. Vetter, Belvidere, engr.; adv. this issue.

New Jersey—July 23, by State Hy. Dept., Trenton, macadamizing State Highway Route 10, Sect. 2, in municipality of Palisade Park, Bergen Co., also steel encased bridge on steel columns and 3 cell rein.-con. highway bridge over trolley tracks, on above road; grading and plate girder bridge encased in concrete, etc., on Route 2, Sect. 4 Burlington, Burlington Co. A. L. Grover, ch. clk.; adv. this issue.

N. J., Boonton—July 25, by Bd. Freeholders Morris Co. (Morristown) reconstructing East Main St., bituminous concrete on concrete. W. Hopkins, co. engr.; adv. this issue.

Pa., Central City — July 17, by Boro Council, paving with vitr. brick block on cement or one course rein.-con., and building sanitary and storm sewers in 3,000 ft. Sunshine and Central Aves., $30,000 and $12,000 respectively. S. A. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engrs.

Pa., Harrisburg — July 18 by H. W. Gough, controller Dauphin Co., 27,881 ft. rein.-con. or bituminous penetration macadam pavement on Horseshoe Pike, Hummelstown Boro and Derry Twp. G. H. Biles, Telegraph Bldg., consult. engr.

Delaware—July 25, by State Hy. Dept. Dover, grading and cement concrete paving, etc., 2.2 mi. Contr. CN 12, 16,000 cu.yd. excav., 3,800 cu.yd. cement concrete, etc.; 1.55 mi. Contr. CS 23, 6,500 cu.yd. excav.,

Streets and Roads (Continued)

2,250 cu.yd. cement concrete, etc.; 4.518 mi. Contr. CK 14, 20,000 cu.yd. excav., 7,000 cu.yd. cement concrete, etc. C. M. Upham, chn.

Va., Blacksburg—July 7, by D. B. H. Begg, engr., Blacksburg, 33,000 cu.yd. excav. and 7,000 sq.yd. 6 in. macadam surface for city.

N. C., Troy—July 17, by C. C. Brougleton, mayor, 20,000 sq.yd. bituminous paving, 40,000 sq.yd. gravel surfacing, 8 mi. curb and gutter, 5 mi. concrete sidewalk, etc. L. V. Edwards, Winston-Salem, engr.

S. C. Anderson — July 11, by Anderson Co. Highway Comn., constructing 3.86 mi. road between Abbeville Co. line and Varennes Church, State Route 18, Federal Aid Project 150, 32,307 cu.yd. common and 2,500 cu.yd. rock excav., 11,981 cu.yd. topsoil, also 216 ft. rein.-con., treated timber and structural steel bridge, etc., on above road. E. D. Sloan, Jr., Courthouse, Greenville, engr.

Miss., Houston—Chickasaw Co. taking bids grading, gravel surfacing and bridging 7.97 mi. roads. H. S. Dutzer, Jackson, engr.

Tenn., Martin—July 9, by E. W. Harper, mayor, improving various streets, 25,000 sq. yd. gravel, 125,000 sq.yd. penetration macadam, 250,000 gal. refined asphalt, 3,000 ft. vitr. clay pipe, separate bids 50,000 ft. concrete curb and gutters.

Kentucky—July 25, by State Hy. Comn., Frankfort, surfacing 4.28 mi. Albany-Monticello Rd., State Project 27, Sect. A, Clinton Co., 12.14 mi. New Castle-Carrollton Rd., State Project 46, Sect. A, Henry, Trimble and Carroll Counties, 3 mi. road in Oldham Co.; constructing 3 bridges in Kenton Co., total length 100 ft., one 100 ft. concrete bridge, Rowan Co., 2 bridges in Morgan Co., total length 180 ft., concrete or steel, J. S. Boggs, state highway engr. Noted May 10.

Kentucky—July 25, by State Rd. Dept., Frankfort, resurfacing 12.4 mi. roads in Pendleton and Jessamine Counties, 16 ft.; reconstructing with waterbound macadam 6.1 mi. road, Garrard Co., 14 ft.; reconstructing 458 ft. road, Shelby Co., 26 and 28 ft.; cleaning surface and applying bituminous material and spreading covering material on 92.022 mi. roads in Boyle, Fayette, Greenup, Harrison, Hart, Hardin, Jefferson, Larue, Madison, Nicholas, Owen, Scott, Todd and Whitley Counties. J. S. Boggs, state highway engr.

Ohio—July 13, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 12.722 mi. roads in Summit and Wayne Counties, bituminous concrete, brick, bituminous macadam, asphalt or tar, rein.-con. or monolithic brick; also bridge in Auglaize Co. A. V. Donaheys, dir.

O., Brooklyn Heights (Cleveland P. O.)—July 16, 2,000 ft. 12-15 in. tile sewers, 1,860 ft. 6 in. c.i. mains, 2,600 cu.yd. grading, and 17,500 sq.ft. stone or concrete sidewalks. W. H. Evers Eng. Co., Engineering Bldg., Cleveland, engrs.

O., Cleveland—July 5, grading, curbing and vitr. brick paving Earle and St. Clair Aves. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Cleveland—July 16, by Bd. Educ., East 6th St. and Rockwell Ave., grading, landscaping and masonry work, at Sunbeam School, East Blvd. and Mt. Overlook Ave. To exceed $25,000. W. R. McCornack, East 6th St. and Rockwell Ave., engr.

O., Columbus—July 10, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 740 ft. alley west of Summit Ave., 16 ft., 1,154 ft. Taylor Ave., 26 ft., 1,346 ft. Brehl Ave., 50 ft., 3,322 ft. alley north of Lane Ave., Williams St. and Kinnear alley, 20 ft., 4,175 ft. Crescent Dr. and Binns Blvd., 24 ft., brick, concrete or asphalt.

O., Dayton—July 9, by G. F. Baker, dir. Pub. Serv., paving Mt. Vernon Ave. and Red Haw Rd., asphalt or concrete, $22,-969; Dow St., brick or asphalt, $17,560; Fairview Ave., brick on concrete, $21,565. I. E. Houk, city engr. Noted Oct. 12.

Michigan—July 10, by State Hy. Dept., Lansing, grading and surfacing Federal Aid Project 66, Sect. B, St. Joseph Co., 27,665 sq.yd. concrete, 7,384 cu.yd. earth excav.; Federal Aid Project 49, Sect. A, 68,061 sq.yd. concrete, 1,181 cu.yd. concrete curb and gutter, etc. R. F. F. Rogers, comr.

Michigan—July 11, by State Hy. Dept., Lansing, grading and surfacing, State Trunk Line Rd. 54-7, Newaygo Co., 4,367 sq.yd. concrete, 32 917 sq.yd. gravel, 22,883 cu.yd. earth excav.; Federal Aid Project 102, Sect. B, Charlevoix Co., 38,612 sq.yd. gravel, 55,251 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 12, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 13-15, Grand Traverse Co., 4,851 sq.yd. concrete, 11,583 sq.yd. gravel, 12,505 cu.yd. earth excav.; State Trunk Line Rd. 19-14, Macomb Co., 10,588 sq.yd. asphalt, concrete or bituminous concrete, 3,869 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 13, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 46-21, 51,845 sq.yd. gravel, 22,731 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 16, by State Hy. Dept., Lansing, paving State Trunk Line Rd. 27-4, Sects. A and B, 22,682 sq.yd. asphalt, concrete or bituminous concrete; State Trunk Line Rd. 21-17, Sects. A and B, 35,452 sq.yd. asphalt, concrete or bituminous concrete, St. Clair Co. State Hy. Dept., Lansing, engrs.

Michigan—July 17, by State Hy. Dept., Lansing, grading and surfacing road, Utica Co., 10,061 sq.yd. asphalt, concrete or bituminous concrete, 2,211 lin.ft. concrete curb and gutter, 5,007 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 18, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rds. 21-10 Sect. A and 47-8, Owasso Co., 16,564 sq.yd. asphalt, concrete or bituminous concrete, 6,010 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 19, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 37-4, Grand Rapids Co., 18,765 sq. yd. asphalt, 12,344 cu.yd. earth excav.; Federal Aid Project 98, Sect. D, Kent Co., 37,-256 sq.yd. asphalt, concrete or bituminous concrete, 9,736 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 20, by State Hy. Dept., Lansing, grading and paving Federal Aid Project 99, Kalamaoo Co.; 77,838 sq.yd. asphalt, concrete or bituminous concrete, 27,-314 cu.yd. earth excav. F. F. Rogers, comr.

Mich., Hillsdale—July 10, by Hillsdale Co. Rd. Com. grading and gravel surfacing 7 mi. Assessment Dist. Rd. 7, 9 ft. F. Rogers, co. engr.

Illinois—July 19, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving 0.5-6 mi. Route 14, Sect. 9-1, Hamilton Co., 18 ft.; also at same time by City of McLeansboro, widening Sect. 9-1. C. H. Older, ch. engr. Caldwell Eng. Co., Jacksonville, engrs. Noted May 31.

Wis., Edgerton—July 16 (change of date) by G. Blanchard, city clk., concrete paving, etc., 16,055 sq.yd. Victoria Rd., Randolph, Perry, Jenson, Blain, West, North 3rd and High Sts. $50,000-$60,000. A. W. Ely, 29 West Milwaukee St., Janesville, engr. Noted July 28.

Wis., Racine—July 10, by C. R. Weymouth, div. engr., Stephenson Bldg., Milwaukee, concrete surfacing, etc., Kilbourn Rd. Sect. A, 40,000 sq.yd. concrete, 22,952 cu.yd. earth excav., etc. Wisconsin Hy. Comn., Madison, engrs.

Ia., Des Moines—July 9, by Auditor Polk Co., concrete paving 2.5 mi. Norwalk Rd. south of here, 18 ft., 25,429 cu.yd. excav., 29,506 sq.yd. concrete, etc. $100,000. F. O. Laing, co. engr.

Ia., Jefferson — July 12, by Supervs. Greene Co., grading and concrete paving 1.513 mi. road through Grand Junction, 4,978 cu.yd. excav., 16,182 sq.yd. concrete, 8,868 lin.ft. tile drain, etc. Ia. Hy. Comn., Ames, engrs.

Ia., Wapello—July 10 by Supervs. Louisa Co., grading 9.94 mi. primary road northwest and northeast of Grandview, 89,837 cu.yd. excav., 8,440 ft. tile, etc. Ia. Hy. Comn., Ames, engrs.

Kan., Columbus—July 10, by W. H. Tyrell, engr., Columbus, concrete paving 1 mi. Federal Aid Project 71, 18 ft., for Cherokee Co.

Tex., Jasper—July 10, by A. D. Hancock, judge Jasper Co., 6.06 mi. State Highway 7, 52,924 cu.yd. roadway, 30,056 cu.yd. borrow, 12,657 cu.yd. gravel surfacing, etc., $112,-700; 1.29 mi. State Highway 7, 9,406 cu.yd. roadway, 9,795 cu.yd. borrow, 2,741 cu.yd. gravel, etc. $32,800. Noted May 31.

Calif., Redwood City—July 16, by City Trustees, improving various streets in Oak Knoll Tract, 19,785 cu.yd. excav., 305,400 sq.ft. oil macadam, 17,330 lin.ft. concrete curb and gutters, etc. To exceed $75,000. C. L. Dimmitt, city engr. Noted June 14.

Calif., Redwood City—July 16, by Redwood Highlands Co., improving various roads in Redwood Highlands Tract, 5,055 cu.yd. grading, 11,513 lin.ft. concrete curb and gutter, 154,443 sq.ft. oil macadam. To exceed $35,000. C. L. Dimmitt, city engr. Noted May 17.

Calif., San Jose — July 9, by Supervs. Santa Clara Co., paving 6,782 lin.ft. Sierra Rd., Superv. Dist. 3, 116,100 sq.ft. oil macadam; Mayfield Ave., Superv. Dist. 5, 130,-200 sq.ft. oil macadam. R. Chandler, co. surv.

Calif., Ukiah—July 10, by Supervs. Mendocino Co., grading 1.75 mi. Leggett-Valley-Rockport Rd., Sect. 3, 22,500 cu.yd. excav. E. H. Smith, co. surv.

BIDS RECEIVED

R. I., Central Falls—Paving Broad St., 7,800 sq.yd. cut granite block, from Simpson Bros. Corp., 77 Summer St., Boston, $32,760. Noted June 14.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 27, paving (1) DeKalb Ave. (2) Gelston Ave. (3) Rutland Rd., repaving (4) 15th Ave. (5) 84th St. (6) North Elliott Pl. (7) North Oxford St. (8) roadway of 60th St., all foregoing asphalt, (9) St. Edwards St., grade 1 granite, from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $46,855; Cranford Co., 52 9th St., (2) $5,940 (4) $4,943; Borough Asphalt Co., 1301 Metropolitan Ave., (3) $24,085 (5) $19,535 (6) $20,160 (7) $21,608; Uvalde Asphalt Paving Co., 1 Bway., New York, (8) $31,414; Greico Bros., 172 Russell St., (9) $12,479. Noted June 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 27, paving (1) Woodhaven Ave. (2) Rocky Hill Rd. (3) Flushing Ave. (4) Hillside Ave. (5) Hillside Ave., all foregoing sheet asphalt (6) Roosevelt Ave., concrete, from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $233,123; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (2) $130,595 (3) $70,390; Uvalde Asphalt Paving Co., 1 Bway. New York, (4) $60,040 (5) $109,069; Kennedy & Smith, Inc., 93 Amity St., Flushing, (6) $27,974. Noted June 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, June 26, repaving Richmond Rd., bituminous granite block, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $107,613. Noted June 21.

N. Y., Syracuse—Bd. Contr. & Supply, June 25, paving (1) West Colvin St. (2) Durston Ave. (3) Glenwood Ave. (4) Salt Springs Rd. (5) Peck Ave., (a) asphalt (b) bituminous concrete, from F. J. Baker, University Blk., (1a) $24,797 (1b) $24,326; G. B. Dickinson, Union Bldg., (2a) $48,720 (2b) $46,918 (5a) $17,092 (5b) $16,678; Dale Eng. Co., Mann Bldg., Utica, (3a) $31,468 (3b) $30,645 (4a) $46,666 (4b) $45,438.

New Jersey—State Hy. Dept., Trenton, concrete paving 57,483 sq.yd. Route 4, Sect. 21, Point Pleasant-Laurelton Rd., from M. Staub, Pitman, 102.3% engrs. est. ($257,-699); 20,566 sq.yd. Route 5, Sect. 10, Chatham-Brantwood Rd., from R. Sangiovani, 80 Hoyt St., Newark, 109.8% engrs. est. ($146,-751). Noted June 14.

Delaware—State Hy. Dept., Dover, improving 4.58 mi. Contr. CN 13, from T. Miele, 85th Ave., New Rochelle, N. Y., $169,-885; 6 mi. Contr. CK 16, from David Shontag, Inc., Saugerties, N. Y., $182,661; 1.58 mi. Contr. 45, from Juniata Co., Empire Bldg., Phila., $86,090. Noted June 14.

Ohio—Dept. Highways and Pub. Wks., Columbus, June 28, grading, bridging and paving 3.843 mi, Sect. "A" Painesville-Ravenna Rd., Geauga Co., from Mahoning Constr. Co., Warren, bituminous macadam, asphalt, $108,559, bituminous macadam, tar, $108,198; 2.526 mi. Sects. "D" and "G" Bryan-Defiance Rd., Williams Co., from R. Stone Contg. Co., Lima, asphaltic macadam, $23,714, Erman & Leibel, Defiance, tar macadam, $23,864. Noted June 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, June 29, grading, bridging and paving (1) 2.809 mi. Sect. "M-3" Ohio River Rd., Lawrence Co. (2) 3.338 mi. Sect. "N" Ohio River Rd., Lawrence Co. (3) 4.368 mi. Toledo-Grand Rapids Rd., Wood Co. (4) 5.475 mi. Sect. "E" Toledo-Grand Rapids Rd., Wood Co., (5) 1.1776 mi. Sect. "C" Findlay-Bowling Green Rd., Hancock Co., (a) asphaltic macadam (b) tar macadam (c) brick (d) warrenite bitulithic, oil (e) warrenite bitulithic, lake (f) bituminous macadam, asphalt (g) bituminous macadam, tar (6) concrete bridge on Sect. "N" Ohio River Rd., Lawrence Co., from G. C. Hardin, Ironton, (1a) $70,588 (2a) $70,742; F. B. Davies, Ironton, (1b) $71,207 (2b) $82,323 (6) $12,820; W. D. Winchell Co., 337 Siebert Ave., Columbus, (3c) $201,892 (4c) $233,370; Russell-Jennison Co., Toledo, (3d) $186,031 (3e) $190,197 (4d) $206,081 (4e) $211,315; Frost Constr. Co., Findlay, (5f) $29,866 (5g) $30,300.

Ohio—Dept. Highways and Pub. Wks., Columbus, June 30, grading, bridging and paving (1) 3.437 mi. Sect. "N-3" Toledo-Napoleon Rd., Lucas Co. (2) 1.4164 mi. Sect. "Maumee" Toledo-Napoleon Rd., Lucas Co., (a) brick (b) sheet asphalt, oil (c) sheet asphalt, lake (d) willite bituminous concrete, oil (e) willite bituminous concrete, lake, from E. A. Freshwater & Sons, Painesville, (1a) $320,700 (2a) $150,-866; Russell-Jennison Co., Toledo, (1b) $275,831 (1d) $287,171 (1e) $293,095 (2b) $130,780 (2c) $133,599 (2d) $136,224 (2e) $139,042; H. P. Streicher Co., Inc., 319 Terminal Bldg., Toledo, (1c) $308,411.

O., Akron—S. Porter, clk. Summit Co., June

Streets and Roads (Continued)

20, grading and graveling (1) 6,000 sq.yd. **Sharon-Fairlawn Rd.**, grading and paving (2) 4.8 mi. Sects. E. F and G, Richfield Hudson Rd. 19, 44,700 sq.yd. 1½ in. (a) bituminous concrete, 20,600 cu.yd. earth excav., etc. (3) 0.77 mi. East Akron-Brimfield Rd. 90, 7,500 sq.yd. (b) granulated slag (c) tar bound macadam (d) asphalt bound macadam (4) 2.05 mi. Barberton-Springfield Rd., 20,750 sq.yd. (a) bituminous concrete or (c) vitr. brick, 12,100 cu.yd. earth excav. (5) 4.12 mi. Cleveland-East Liverpool Rd. 12, 39,200 sq.yd. (a) bituminous concrete or (f) bituminous macadam 22,220 cu.yd. earth excav., etc., from Kahl Bros. Constr. Co., 13004 Woodland Ave., Cleveland, (1) $13,080; W. P. McCourt, 365 South Main St., (2a) $149,293 (4a) $78,973 (5a) $138,242; H. Gilbert, 19 North Martha Ave., (3b) $18,245 (4e) $106,303; A. F. Wible, 859 Chalker St., (3c) $20,820; Crano & Lombardi, 274 Crosby St., (3d) $24,622; T. F. Bowers & Son, Kinsman. (5f) $128,-625. Noted June 14.

O., Canton—Stark Co., June 22, improving about 1 mi. Whipple Rd., 18 ft., from Wise Bros., Canton, $42,160. Engrs. est. $50,000.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., (a) grading and landscaping (b) masonry work, in (1) Euclid Park School (2) Glenville School (3) Rawlings School, from H. Long, (1a) $10,300; C. N. Griffen, 5511 Euclid Ave., (1b) $18,-555; V. Q. Galier, Builders Exch., (2a) $6,287 (3a) $6,228; A. MacDougall Co., Irene Ave., (2b) $1,929 (3b) $2,533. Noted June 7.

O., Cleveland — Cuyahoga Co., June 20, waterbound macadamizing 14,000 sq.yd. Lander Rd., from E. Gedney, Addison Rd., $54,150. Engrs. est. $67,244. Noted June 14.

O., Euclid—Grading, curbing ad paving (1) Chelsea Rd. (2) Sunnycliff Dr. (3) Shoreview Dr. (4) Overlook Dr. (5) Oriote Dr. (1-5 inclusive) involve 24,100 lin.ft. cement curb and gutter, 14,750 cu.yd. earth excav., 274,520 sq.yd. concrete base, 31,870 sq.yd. asphalt, (6) Independence Ave. (7) Iddings Ave. (8) Edgecliff Dr. (9) East Bowne Ave. (10) Cushman Rd. (6-10 inclusive) involve 14,720 lin.ft. cement curb and gutter, 5,850 cu.yd. earth excav., 13,860 sq.yd. asphalt, 151,420 sq.yd. concrete base, (11) Bayard Rd. (12) Bell Ave. (13) Naumann Ave. (14) Mallard Rd. (15) Liberty Ave., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, (1) $30,544 (2) $21,747 (6) $22,120 (8) $7,272 (11) $12,-083 (13) $36,978 (15) $42,371; Gould & Maybach, 823 East 150th St., Cleveland, (3) $32,430 (4) $54,224 (5) $32,430 (9) $22,-421 (14) $32,505; H. G. Herring, Pavers Exch., Cleveland, (7) $20,688 (10) $16,135 (12) $23,401.

Michigan — State Hy. Dept., Lansing, grading and surfacing Federal Aid Project 88, Ingham Co., Sect. A, 77,950 sq.yd. concrete, 50,444 cu.yd. earth excav., from Palma Constr. Co., Ypsilanti, $163,092; Federal Aid Project 70, Sect. A, Oakland Co., 45,970 sq.yd. concrete, 24,861 cu.yd. earth excav., from Scott, Cochran & Scott, Bauch Bldg., Lansing, $85,617; Federal Aid Project 69, Sect. B in Fowlerville 12,491 sq.yd. concrete, 6,516 lin.ft. concrete curb and gutter, from H. A. Hoxie, 1426 4th St., N. W., Grand Rapids, $29,483; Federal Aid Project 69, Sect. A, Livingston Co., 20,956 sq.yd. concrete, 10,410 cu.yd. earth excav., from Handyside Constr. Co., 1758 Penobscot Bldg., Detroit, $43,980; state may do foregoing projects by day labor; Federal Aid Project 117 Sects. B and C, Muskegon Co., 31,938 sq.yd. concrete, 5,929 cu.yd. earth excav., from G. P. Schail, Muskegon, $63,-973; Federal Aid Project 117, Sect. A, Ottawa Co., 21,628 sq.yd. concrete, 12,726 cu.yd. earth excav., from Cline & Bocleus, Spring Lake, $45,449. State will furnish cement.

Michigan — State Hy. Dept. Lansing, grading and surfacing State Trunk Line Rd. 16-12, 15,999 sq.yd. concrete, 9,006 cu.yd. earth excav., etc., from Townsend, Shuttleworth, Ballner Co., Capital Natl. Bank Bldg., Lansing, $37,355; cement furnished by state.

Wis., Kenosha—Paving 9,300 sq.yd. various streets, 3,200 cu.yd. grading, from Brennan & Bounsall, 709 Exch. St., gradng $0.60, rein.-con. paving $2.60, etc., total $30,-330; from White Constr. Co., 68 Wisconsin St., Milwaukee, grading $0.66, sheet asphalt paving $2.86, total $33,175, asphaltic concrete paving $2.62, total $30,443.

Mo., St. Louis—Bd. Pub. Serv., City Hall, June 26, improving 12,320 sq.yd. 12th St. from Soulard to Chouteau Aves., 9,530 sq. yd. 12th St. from Russell to Soulard Aves., and 4,160 sq.yd. Soulard Ave., trinidad asphalt, from Central Pavingf Co., 6161 Maple Ave., $90,231, 57,679 and $27,437 respectively, engrs. ests. $74,000, $48,800 and $21,000 respectively; 15,000 sq.yd. Forest Park St., trinidad asphalt, from Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., $50,932, engrs. est. $37,450; 1,425 sq.yd. Tennessee St., asphalt, 2,355 sq.yd. Wiesehan St., and 1,955 sq.yd. Elenore St., both asphaltic concrete, from Bridges Asphalt Paving Co., 5847 Highland Ave., $8,186, $14,484 and $12,266 respectively, engrs. ests. $6,450, $10,200 and $8,200 respectively; 4,965 sq.yd. Hebert St. and 4,320 sq.yd. Utah St., both bitulithic, from Granite Bituminous Paving Co., Ry. Exch. Bldg., $27,402 and $17,270 respectively, engrs. ests. $25,900 and $16,600 respectively; 1,735 sq.yd. Osceola St. from Ohio St. to Bway. and 4,265 sq.yd. Tyrolean and Elmer Sts., rein.-con., from Eyermann Constr. Co., 1216 South Grand Blvd., $7,590 and $20,460 respectively, engrs. est. $8,100 and $22,000 respectively; 925 sq.yd. Osceola St. from Ohio St. eastward, rein.-con., from J. E. Perkinson, 3237 Carter St., $5,472, engrs. est. $5,600; 2,820 sq.yd. Schollmeyer St., rein.-con., from Skrainka Constr. Co., Security Bldg., $13,448, engrs. est. $13,950. Noted May 31.

Tex., Coleman—Coleman Co. grading and gravel surfacing 5.87 mi. State Highway 7A, 688.7 cu.yd. concrete, 24,845 cu.yd. roadway, 22,042 cu.yd. borrow, 3,967 cu.yd. loose and 1,167 cu.yd. solid rock excav., 50,522 lb. reinforcing, from D. H. Buchanan and J. H. Veazey, Temple, $41,838; 12,621 cu.yd. gravel to be furnished by county $19,563. Engrs. est. $61,090. Noted June 21.

Tex., Lufkin — Angelina Co., grading, gravel surfacing and bituminous topping 15 mi. State Highway 37, 86,079 cu.yd. roadway and 30,754 cu.yd. borrow excav., 112,952 gal. asphalt oil, 2,824 cu.yd. limestone, 1,883 cu.yd. trap rock, 108, 195 lb. reinforcing, 39,376 cu.yd. gravel, from J. S. Moore & Sons, Lufkin, $238,115. Engrs. est. $219,550.

Colorado—State Hy. Dept., Denver, gravel surfacing (1) 2.082 mi. Federal Aid Project 214 La Plata Co. (2) 4.748 mi. Federal Aid Project 208 C, Mesa Co; concrete paving (3) 5.0659 mi. Federal Aid Project 135, Jefferson Co. (4) 2.702 mi. Federal Aid Project 255 A, Morgan Co. (5) 2.868 mi. Federal Aid Project 226 B, Weld Co.; gravel surfacing and bridging (6) 0.587 mi. Federal Aid Project 229, Fremont Co.; grading and gravel surfacing (7) 2.144 mi. State Aid Project 714, Garfield Co.; (8) 150 ft. truss bridge over Clear Creek, Federal Aid Project 120, Jefferson Co., (a) corrugated metal pipe, (b) concrete pipe, from D. Hinman, 3358 Race St., Denver. (1) $48,556 (2a) $39,019 (2b) $39,759; Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver (3) $161,962 (4a) $77,967 (8) $30,055; C. C. Madsen, Box 2301, Denver, (4b) $84,958; White & Johnson, 521 Chamber Commerce Bldg., Denver, (5) $81,748; H. M. Fox, Florence, (6) $34,647; Northwestern Constr. Co., Craig, (7) $11,587. Noted June 14.

Nevada—State Hy. Dept., **Carson City**, asphalt macadam surfacing 4.99 mi. Project 64, from Fallon south, Churchill 2-C-3, Churchill Co., from Alston & Hoggan, Continental Natl. Bank Bldg., Salt Lake City, Utah, $39,954.

Wash., Bellingham—Whatcom Co., June 21, paving 27,000 sq.yd. Sedro Wolley-Wickersham Rd., 6 to 7½ in. concrete, from C. L. LaPlant, Sedro Wolley, $69,935.

Wash., Seattle—Bd. Pub. Wks., June 19, concrete paving Greenwood Ave., et al., from Florito Bros., 3950 6th Ave., N. W., 49,700 sq.yd. 6 in. concrete $1.65, 3,000 lin.ft. asphaltic concrete curbing $0.55, 20,760 lin.ft. concrete curbing $0.30, 12,250 cu.yd. subgrade $0.60, total $126,249. Engrs, est. $132,787.

Calif., Huntington Beach—From G. H. Oswald, 366 East 58th St., Los Angeles, improving Ocean Ave. Blvd., through city to connect with state highway, 711,300 sq.ft. 1½ in. warrenite bitulithic on 4½ in. concrete, 23,800 cu.yd. excav., etc., $253,-000; portions Delaware and 17th Aves., 227 yd. excav. at $0.50, 1,575 tons block patch base $8, 204,295 ft. 3 in. resurface, $0.15, etc. Noted May 17.

Calif., Los Angeles—From G. R. Curtis, 2440 East 26th St., improving Wilton Pl. between Santa Monica Blvd. and Clinton St., total for grading $4,800, 104,481 sq.ft. asphalt $0.24, 2,350 sq.ft. walks $0.25, 5,592 sq.ft. concrete gutter $0.29, etc.; Ridgeway Pl. between Santa Monica Blvd. and Lemon Grove Ave., total for grading $1,700, 35,390 sq.ft. warrenite bitulithic paving $0.26, 2,523 ft. curb $0.75, 1,072 sq.ft. walks $0.25, 2,531 sq.ft. gutter $0.30, etc. Noted June 21.

Calif., San Mateo—City Trustees, grading, concrete curbing, sidewalks and paving with 1½ in. asphaltic concrete on 4½ in. concrete, portions 1st, 3rd and 4th Aves., etc., from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, $112,711. Noted June 21.

CONTRACTS AWARDED

Mass., Roxbury (Boston, P. O.)—Paving 2,000 ft. South St. and Belgrave Ave., 20-30 ft. wide, bitulithic, to Warren Bros. Co., Parkman Bldg., $66,416.

N. Y., Buffalo—To H. P. Burnard, 1968 Fillmore Ave., asphalt paving on concrete, Fernwood Pl. $13,950, Oxford St. $14,850, Lovejoy St. $29,625, Grider St. $28,720; to Rock Asphalt & Constr. Co., Morgan Bldg., Holloway alley $8,352, Englewood Ave. $21,357; to J. M. Fahning, 460 Leroy Ave., Oak St. $11,000, 10-18 in. tile sewer in Elmwood Ave. $11,981, 10 in. tile sewer in Texas St. $1,717, 10 and 12 in. tile sewer in Keating St. $2,300.

N. Y., Hudson—Paving 39,000 sq.yd. streets, to Municipal Constr. Co., U. C. N. Bank Bldg., Utica, $108,000. Noted June 7.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading sidewalk and gutter space on Andrews St. $449, Jay Ave. $1,572, grading, curbing, laying sidewalks and sheet asphalt paving Van Cott Ave. $6,960; to Cleveland Trinidad Paving Co., Flushing, sheet asphalt paving Crescent St., $20,455; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt paving Linden St. $10,288, grading, curbing, laying sidewalks and sheet asphalt paving Doubleday St. $26,909, Van Dam St. $66,720; to H. E. Kordes Co., 2577 Cooper St., Brooklyn, East 101st St. $13,170. Noted June 14.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., repaving White Plains Rd., granite block, to Casper Helbock, Inc., Harlem River and 150th St., $209,790; Jerome Ave., granite block, to Leonard Paving Co., 233 Bway., $153,764; Jerome Ave. from Cromwell Ave. to East 176th St., also Melrose Ave., granite block, to Asphalt Constr. Co., 208 Bway., $290,491 and $137,499 respectively; Boston Rd., granite block, to Regan Towers Co., 124 West 121st St., $26,394; paving Tiebout Ave., granite block, to C. D. Beckwith, Inc., 2875 Bway., $66,524; East 172nd and West 238th Sts., both bituminous concrete, also Charlotte St., sheet asphalt, to Brusstar Constr. Co., Harlem River and 150th St., $9,264, $19,519 and $5,984 respectively; grading, building inlets, etc., in Godwin Terrace, to Spedeo Contg. Co., $4,557; grading, laying sidewalks, curbing, etc., Cruger Ave., to Spadero & Turiano, 3185 East Tremont Ave., $5,863; East 157th St. to M. DelBalso, 660 East 221st St., $20,749; regrading, etc., Bryant Ave., to P. J. Kearns Contg. Co., 2306 Creston Ave., $44,437. Noted June 28.

N. Y., New York—J. Miller, pres., Manhattan Boro, Municipal Bldg., changing park strips on Park Ave. from 34th to 39th Sts., to P. T. Cox Contg. Co., 154 Nassau St., $68,000. Noted June 28.

N. Y., Port Jervis—For 8,200 sq.yd. rein.-con. pavements, to E. McGreevy, 309 Robinson Bldg., Elmira, $40,242. Noted June 7.

N. J., Trenton — To J. J. Barrett, 601 Greenwood Ave., paving Pennington Ave. outside trolley tracks $41,111, resurfacing Passaic St. $10,266, Spruce St. $14,983, Lalor St. $61,394, repaving Monmouth St. $2,768, all asphalt; to A. DeLucia, 52 Bayard St., paving Pennington Ave., inside trolley tracks, asphalt $14,060. Noted June 14.

N. J., Trenton—Mercer Co., paving Upper Ferry Rd., 15,000 sq.yd. penetration macadam. 3,500 tons broken stone, to Sigafoos & Poore, Riegelsville, Pa., $60,-869. Noted June 21.

Pennsylvania—State Hy. Dept., Harrisburg, one course rein.-con. paving, Route 233, Scott and Plain Grove Twps., Lawrence Co., 32,682 sq.yd. concrete, 27,016 cu.yd. excav., etc., to Burns & Burt, 411 Wayne Ave., Ellwood City, $199,392; Route 68, White Twp., Indiana Co., 5,883 sq.yd. concrete, etc., Owen & Plummer, Inc., Otto Bldg., Johnstown, $29,972; Route 304, North East Twp., Erie Co., 21,852 sq.yd. concrete, 8,705 cu.yd. excav., etc., C. H. Fry Constr. Co., 609 West 19th St., Erie, $100,552; Route 91, Washington Twp., Clarion Co., 22,767 sq.yd. concrete, 10,168 cu.yd. excav., etc., R. V. Baldwin, 1361 4th Ave., Coraopolis, $122,279; Route 18, Loyalsock Twp., Lycoming Co., 23,115 sq. yd. concrete, etc., G. I. Thompson, Clearfield, $91,318; bituminous macadam penetration method on rein.-con., Route 170, Fairview and Hanover Twp., Luzerne Co., 38,898 sq.yd. bituminous macadam, etc., H. B. Sproul Constr. Co., 218 Adams Ave., Scranton, $78,991. Noted June 14.

Pennsylvania—State Hy. Dept., Harrisburg, one course rein.-con. paving Route 50, Confluence Boro, Somerset Co., 9,452 sq.yd. concrete, etc., to M. F. McCabe & Co., 309 Deveny Bldg., Fairmount, W. Va., $42,834; Route 304, Amity Twp., Erie Co., 22,498 sq. yd. concrete 10,020 cu.yd. excav., etc., to F. W. Knickenberg, 702 Michigan Ave., Buffalo, N. Y., $103,428; Route 83, Pine and

Streets and Roads (Continued)

Conneaut Twps., **Crawford Co.**, 35,901 sq. yd. concrete, 12,230 cu.yd. excav., 2,100 lin. ft. concrete gutter etc., to H. E. Bunce, Cambridge Springs, $155,501. Noted June 14.

Pa., Rockwood—Grading, curbing and concrete paving 4 mi. Market St., to Owen & Plummer, Inc., Otto Bldg., Johnstown, $162,000. Noted May 17.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 18,500 sq.yd. Contr. C-26, Queen Annes Co., to Kauffman Constr. Co., Denton, $53,569. Noted June 7.

W. Va., Williamson—Mingo Co. clearing and grading using concrete pipe, Tamcluff-Spice Creek Rd., Project 16, to F. H. Herring Constr. Co., Greenwood, Va., $41,-882; Glen Alum-Ben Creek Rd., Project 13, to Ballard-Herring Co., Huntington, $46,-772. Noted May 31.

Fla., Bradentown—To H. R. Curry, Bradentown, paving with tarvia on shell base compacted Sunset, Otis and Sarasota Aves. and East Court St., $25,000, paving, probably with asphalt blocks Cherokee and Central Sts., $25,000, relaying and widening Main, Fairview, Price and Washington Sts., $25,000; to Shirley & Mattison, grading and laying sidewalks on various streets, $16,595; to J. B. Rodgers, Palma Sola, bridge over Waves Creek, $6,783. Noted May 17.

Fla., Tampa—Granite curbing and paving with 2½ in. asphaltic block, Amelia, Albany, Melville and Cowene Sts., etc., to Cone Bros., Tampa, $33,000.

Ala., Birmingham—Paving 5th Ave. from 39th to 45th Sts., vitr. brick and asphalt, to H. N. Bowdry, 3426 Norwood Blvd. and Birmingham Railway Light & Power Co., 1st Ave., $53,339 and $13,390 respectively. Noted June 7.

Tenn., Elizabethton—Paving, curbing and guttering various streets, 32,000 sq.yd. asphalt on concrete to Municipal Paving & Constr. Co., Bristol, $130,000.

Kentucky—State Hy. Dept., Frankfort, paving with waterbound macadam 4.995 mi. Lexington-Harrodsburg Rd., State Project 47, Sect. A, Jessamine Co., 16 ft., to W. Lutes & Co., Lexington, $117,477; grading 7.767 mi. Stanton-Campton Rd., State Project 4, Sect. C, Powell Co., to Costello Bros., Henson Bldg., Knoxville Tenn., $77,184. Noted June 28.

Ky., Central City—Curbing, guttering and surfacing with rock asphalt on stone macadam 51,000 sq.yd. various streets, to Hornaday Constr. Co., 1261 Central Ave., Memphis, Tenn., $185,000. Noted June 14.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 1.791 mi. Sect. "A-1" **Bridge-Dort-Cadiz Rd.**, Belmont Co., brick, to E. M. O'Neil Constr. Co., Youngstown, $130,905; 7.155 mi. Sect. "O" **Piketon-Hillsboro Rd.**, Highland Co., waterbound macadam, and 1.356 mi. Sect. "K" **McConnellsville-Athens Rd.**, Morgan Co., bituminous macadam tar, to Foy-Nixon Co., Columbus, $148,758 and $39,084 respectively; 0.514 mi. Sect. "D" **Pique St. Mary Rd.**, Auglaize Co., brick, and 0.975 mi. Sect. "I" **Roundhead-McGuffey Rd.**, Hardin Co., rein.-con., to Wapakoneta Cement Block Co., Wapakoneta, $19,239 and $30,249 respectively; 0.707 mi. Sect. "K" **Washington-London Rd.**, Fayette Co., brick, to W. H. Ringwald Co., Chillicothe, $27,212; 0.606 mi. Sect. "D-1" **Woodsfield-Clarington Rd.**, Monroe Co., bituminous macadam asphalt, to W. W. Patton, Woodsfield, $36,489; 1.596 mi. Sect. "P" **Cleveland-Massillon Rd.**, Stark Co., brick, to Holmes Constr. Co., Wooster, $78,170; 3.374 mi. Sect. "C" **Bowling Green-Waterville Rd.**, Wood Co., bituminous macadam asphalt, to J. H. Blausey, Woodville, $48,978; 1.532 mi. Sect. "S" **Weilsville-Salineville Rd.**, Columbiana Co., plain concrete, to E. A. Freshwater & Sons, Painesville, $60,619; 3.001 mi. Sect. "M" **Toledo-Angola Rd.**, and 1.002 mi. Sect. "E" **Archbold-Fayette Rd.**, both Fulton Co., rein.-con., to LaBolteaux & Hayes, Toledo, $94,118 and $28,405 respectively; 2.79 mi. Sect. "C" **Youngstown-Lisbon Rd.**, Mahoning Co., brick, to A. Colucci, Youngstown, $72,200; 2.351 mi. Sect. "T-1" **Akron-Youngstown Rd.**, and 3.066 mi. Sect. "T-2" **Akron-Youngstown Rd.**, both Portage Co., rein.-con., to Turner Constr. Co., Park Theatre Bldg., Youngstown, $71,930 and $105,536 respectively; 0.559 mi. Sect. "E" **Cleveland-Sandusky Rd.**, Erie Co., bituminous concrete, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $29,885; 1.954 mi. Sect. "A" **Washington-Bloomington Rd.**, Fayette Co., bituminous macadam tar, to R. Stone Constr. Co., Lima, $55,679; 4.5 mi. Sect. "H-2" **Columbus-Washington C. H. Rd.**, Franklin Co., waterbound macadam, to W. M. Gray, Columbus, $48,818; 5.791 mi. Sect. "C" **Newark-New Lexington Rd.**, Licking Co., bituminous macadam asphalt, to F. E. Francis, Columbus, $69,065; grading, etc. 0.695 mi. Sects. "F and J" **Jackson-Pomeroy Rd.**, Jackson Co., to W. McKinnis and O. S. Bennett, Jackson, $10,036; concrete bridge on Sect. "Lisbon" **Lisbon-Salineville Rd.**, Columbiana Co., to Cox & Hezlep, Kinsington, $10,004; steel superstructures and concrete substructures on Sect. "D" **Celina-Greenville Rd.**, Darke Co., to Hinton & Smalley, Celina, $14,533; concrete bridge on Sect. "B" **Delaware-Marysville Rd.**, Delaware Co., to C. C. Carpenter, Ada, $8,594. Noted June 21 and 28.

O., Akron—Summit Co. paving about 1 mi. East Akron-Brimfield Rd., 18 ft., macadam with asphalt top, to T. E. McShaffrey Constr. Co., 171 South Forge St., $26,414. Engrs. est. $28,000. Noted June 14.

O., Carroll — Fairfield Co. (Lancaster) paving 2 mi. Minerva-Oneida Rds., 18 ft., vitr. brick on concrete, here, to G. Hadley, General Del., Canton, $72,464. Engrs. est. $76,000.

O., Cincinnati—Hamilton Co., grading and paving 13,100 sq.yd. Boomer Rd., bituminous macadam, to W. P. Flynn, Dana and Chase Sts., $30,688, engrs. est. $34,165; Zig Zag and Elm Rds., to A. C. Pickelheimer, 3555 Mooney Ave., $27,890 and $9,834 respectively, engrs. ests. $32,868 and $11,107 respectively. Noted June 14.

O., Cleveland—Grading and asphalt paving 56,450 sq.yd. Woodland Ave., to Cleveland Trinidad Paving Co., The Arcade, $311,059. Noted June 14.

O., Cleveland — Improving Jesse Ave., 2,830 lin.ft. stone curb and 4 in. tile drain gutter, 2,000 cu.yd. earth excav., 4,750 sq. yd. vitr. brick on concrete, to Enterprise Paving & Constr. Co., 8444 Bway., $29,386.

O., Cleveland Heights (Warrensville P.O.) —Grading, curbing and asphalt paving 2 sections of Mayfield Rd. and Euclid Heights Blvd., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $235,300.

O., Dayton—Paving Irwin and Summit Sts., brick on concrete, to Finke Eng. Co., 15 South St. Clair St., $22,298 and $54,019 respectively. Noted June 7.

O., Euclid—Grading and laying concrete sidewalks on Bliss Rd., to F. B. Stein, Euclid, $43,084. Noted June 28.

Michigan—State Hy. Dept., Lansing, fine grading and surfacing 4.145 mi. Federal Aid Project 71, Sect. A, Charlevoix Co., to Remus Constr. Co., Remus, 218.9 sta. fine grading $3.50, 44,284 sq.yd. rein.-con. pavement $1.43, etc., total $66,016, cement furnished by state; 3.028 mi. State Trunk Line Rd. 31-12, Huron Co., to Shulz & Liken, Sebewaing, 10,354 cu.yd. earth excav. $0.60, 32,204 sq.yd. rein.-con. pavement $1.70, etc., total $67,678.

Michigan—State Hy. Dept., Lansing, resurfacing old pavement on State Trunk Line Rd. 10-38, 24,336 cu.yd. 8 in. concrete, Genessee Co., by day labor, F. F. Rogers, comr.

Mich., Detroit—Paving with 3½ in. sheet asphalt on 8 in. concrete, Amherst curbstone, (natural lake or oil) to Detroit Asphalt Paving Co., 20 McGraw Bldg., 2,000 sq.yd. Army Ave. $12,757, 2,800 sq.yd. Eureka Ave. $16,978, 1,900 sq.yd. 52nd St. $11,465, 4,300 sq.yd. Huber Ave. $26,161, 2,900 sq.yd. Iroquois Ave. $17,623, 2,300 sq.yd. Mackenzie Ave. $14,153, 4,000 sq.yd. Oliver Ave. $24,248, 12,100 sq.yd. Tireman Ave. $72,836, 2,350 sq.yd. Van Buren Ave. $14,377, to G. R. Cooke, 1260 Penobscot Bldg., 6,400 sq.yd. Dexter Ave. $38,850, 16,-300 sq.yd. Dexter Ave., $97,931; grading and paving alleys with 6 in. one course concrete, to Otis Cement Constr. Co., 806 Hammond Bldg., 5,800 sq.yd., $17,539; to G. Nunn, 6409 3rd St., 2,100 sq.yd. $9,233; to R. J. Powelson Co., 6415 Iroquois Ave., 3,900 sq.yd. $11,681; to Smith Trucking Co., 3325 West Euclid Ave. 2,860 sq.yd. $8,199.

Wisconsin — State Hy. Comn., Madison, grading and surfacing Columbus-Beaver Dam Rd., Columbia and Dodge Counties, to J. P. Connell, Janesville, 9,852 cu.yd. earth excav. $0.72, 30,226 sq.yd. concrete surfacing $1.33, etc., total $60,395; Clinton-Darien Rd., Rock Co., to Fess & Fess, Madison, 13,828 cu.yd. earth excav. $0.78, 45,485 sq. yd. concrete surfacing $1.34 ,etc., total $81,-226; concrete bridge on Columbus-Beaver Dam Rd., to Weyenberg Constr. Co., 812 College St., Appleton, $13,288. Noted June 21.

Wis., Green Bay—Brown Co. State Road and Bridge Com., grading and concrete surfacing Finger Rd., to E. Schuster, Denmark, 11,005 cu.yd. earth excav. $0.68, 14,-888 sq.yd. concrete $1.47, etc., total $33,-210; Eaton-Kewaunee Rd., to Wilson & Johnson, Appleton, 9,434 cu.yd. earth excav. $0.72, 46,944 sq.yd. concrete $1.49, etc., total $93,239.

Wis., La Crosse—Paving, curbing and guttering 12 streets, one course concrete and 3 in. brick, to T. E. Wooley, 148 West Ave., S., $134,587. Noted June 14.

Wis., Milwaukee—Paving Lake St., 18,-239 cu.yd. earth excav., 30,030 sq.yd. vibrolithic concrete, to Czerwinski Constr. Co., 376 16th Ave., $109,572. Noted May 31.

Wis., Milwaukee—Concrete paving various alleys, etc., to Bodeman Constr. Co., 691 48th St., 4,649 sq.yd. $13,522, 2 alleys $13,536; to C. Vanderboom & Sons, 99 32nd St., 4,403 sq.yd. $16,345; to Ryback & Sadowski, 1092 2nd Ave., 14,853 sq.yd. $41,191; to J. C. Bluhm & Sons, 1298 Achilles St., 9,150 sq.yd. $25,567; to Milwaukee General Constr. Co., 427 Mitchell St., 3,051 sq.yd. $8,576. Noted June 14.

Ia., Centerville—Appanoose Co., grading 9.26 mi. Primary Rd. Project 227, 26 ft., to Byers & Wilson, Manchester, 182,021 cu.yd. excav. $50,172; to H. Teget, Webster City, 12,929 lin.ft. tile, $2,842. Noted May 31.

Ia., Le Mars—Plymouth Co., grading 17.88 mi. Primary Rd. 29, 26 ft., to J. H. Miller & Sons, Corydon, 219,885 cu.yd. excav. and 1,104 lin.ft. culvert pipe labor, $49,510; W. H. Dugan, 820 North 42nd St., Omaha, Neb., 100,603 cu.yd. excav., $21,127; Ft. Dodge Culvert and Iron Mills Co., Ft. Dodge, 2,236 ft. 15 to 25 in. culvert pipe, $3,000. Noted May 31.

Minn., Ortonville — Big Stone Co. improving (1) 4½ mi. Job 2301 (2) 3½ mi. Job 2302, to R. C. Shoen, Ortonville, grading on (1) $7,672 (2) $6,393, corrugated metal culverts on (1) $576 (2) $250; to Elk River Concrete Products Co., Elk River, concrete culverts on (1) $487 (2) $403; to G. L. Mowery, Ortonville, gravel surfacing (1) $3,990 (2) $4,297. Noted May 17.

Tex., Glen Rose—Somerwell Co. grading and gravel surfacing State Highway 10-A, 383 cu. yd. concrete, 40,772 cu.yd. roadway and 14,852 cu.yd. borrow excav., 28,-725 lb. reinforcing, 12,360 cu.yd. gravel, to J. E. Harris Co., Alvarado, $30,516. Engrs. est. $35,000. Noted June 21.

Tex., Gonzales — Gonzales Co. grading and gravel surfacing 3.66 mi. State Highway 29, to Stahl Bros. & Tom, Gonzales, $36,084; 11,657 cu.yd. gravel furnished by county. Engrs. est. $48,120 incl. engineering and contingencies. Noted July 28.

Tex., Greenville—Hunt Co. bituminous top on waterbound macadam base and gravel subbase on 3.7 mi. State Highway 1 and 3.7 mi. State Highway 39, to D. H. Purvis, Ft. Worth, $53,203 and $20,689 respectively, materials furnished by county $121,293 and $46,355 respectively, engrs. ests. $191,946 and $73,748 respectively, incl. 10% for engineering and contingencies; 3.3 mi. State Highway 11, to J. E. Ward, 510 Slaughter Bldg., Dallas, $19,745, material furnished by county $40,460, engrs. est. $66,250 incl. engineering and contingencies. Noted June 21.

Tex., Orange—Orange Co. grading rein.-con. surfacing, etc., 5.21 mi. State Highway 3, 1,740 cu.yd. concrete, 17,638 cu.yd. roadway and 103,349 cu.yd. borrow excav., 53,579 sq.yd. concrete pavement, etc., to F. P. McElwrath, Corsicana, $253,694. Engrs. est. $285,000.

Tex., Paris—Lamar Co. paving with one course concrete 1.59 mi. State Highway 5, and grading and concrete paving 4.05 mi. State Highway 19, both 18 ft., to J. C. Field Co., Denison, $42,093 and $96,014 respectively, engrs. ests. $46,845 and $105,-616 respectively; grading and gravel surfacing 7.58 mi. State Highway 19, 12 ft., to McGuire & Cavender, Sherman, $12,166, 11,863 cu.yd. shipped gravel to be furnished by county $35,589, engrs. est. $52,-531. Noted June 21.

Tex., Richmond—Ft. Bend Co. grading, etc., 15.14 mi. State Highway 3, 154,449 cu. yd. roadway, 127,220 cu.-yd. borrow and 56,828 cu.yd. channel excav., to M. M. Craven, Missouri City, $63,080. Engrs. est. $70,000. Noted June 21.

Tex., San Antonio—Bexar Co., grading, gravel surfacing, etc., 3.4 mi. State Highway 3, 559 cu.yd. concrete, 22,973 cu.yd. roadway, 13,766 cu.yd. borrow, 32,328 sq. yd. bituminous macadam, 48,662 lb. reinforcing, 10,009 cu.yd. gravel; grading and gravel surfacing, to Stahl Bros. & Tom, Gonzales, $19,110; bituminous topping, to C. E. Hoff, 220 Linores St., $20,043; rein.-con. drainage structures, to W. M. Behymer, 623 Avenue C, and M. J. Kaine, 212 Pleasanton Rd., $12,870. Engrs. est. $69,-935. Noted May 24.

Colo., Denver—Grading, concrete curbing and surfacing 5 mi. North Side Impvt. Dist. 31, 30 ft., to Western Constr. Corp., 33rd and Blake Sts., $86,436, engrs. est. $107,-346; North Denver Paving Dist. 3, to Western Paving Co., First Natl. Bank Bldg., $25,535; 4 mi. South Denver Impvt. Dist. 16, to Monaghan & Cunningham, 1710 Market St., $82,300, engrs. est. $108,104. Noted June 21.

Nevada—State Hy. Dept., Carson City, concrete and gravel surfacing Project 26, Reno-Lawtons Rd., Washoe 1-A-1, Contr. 79, Washoe Co., to Alston & Hoggan, Continental Natl. Bank Bldg., Salt Lake City,

Streets and Roads (Continued)

Utah, $31,927; grading, gravel surfacing and building culverts on Halleck-Deeth Rd., Elko 1-C, Federal Aid Project 74, Contr. 78, Elko Co., to W. Hoops, Hollister, Idaho, $72,750. Noted June 21.

Wash., Seattle—Bd. Pub. Wks. paving Boren Ave. et al., 9,630 sq.yd. 6 in. asphaltic concrete, and 6,250 sq.yd. 7 in. concrete, etc., to D. H. Traphagen, Walker Bldg., $66,035. Engrs. est. $68,059. Noted June 21.

Calif., Compton—To G. H. Oswald, 366 East 58th St., Los Angeles, improving Acacia St., 16,160 sq.ft. walks, 3,440 ft. curb, 261,500 sq.ft. 5 in. concrete, etc., $68,661, Myrrh St., 4,950 sq.ft. walks, 96,340 sq.ft. 5 in. concrete, etc., $24,615; to E. B. Garretson, 3639 East 2nd St., Long Beach, improving Wilmington St., 71,700 sq. ft. grading and paving with 5 in. concrete, etc., $15,226. Noted June 7.

Calif., Hanford—Paving portions Phillips and 5th Sts., etc., 1½ in. warrenite bitulithic on 4 in. bituminous, to California Constr. Co., 58-2nd. St., San Francisco, $74,703. Noted June 28.

Calif., Inglewood — Grading, preparing subgrade, curbing, guttering, 5 in. oil macadam paving portions Buckthorn St., Inglewood Ave., Fir Ave. and Hawthorne St., to W. H. Goff, 745 Lyon St., Los Angeles, $43.125, $6,515, $12,714 and $11,708 respectively.

Calif., Madera—To Thompson Bros., G and Divisadero Sts., Fresno, grading, concrete curbing, guttering and bituminous paving Yosemite Ave. $38,145; B and 6th Sts. $35,223. Noted June 28.

Calif., Redding—Improving Shasta and Trinity Sts., etc., 252,000 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, 65,000 sq.ft. walks, 20,000 sq.ft. gutters, 10,000 lin.ft. curbs, to Warren Constr. Co., Bacon Bldg., Oakland, $90,000. Noted June 7.

Calif., San Bruno—City Trustees grading, concrete curbing, guttering, sidewalks and paving Tucker, Linden and Cypress Sts., etc., 30,000 cu.yd. grading, 246,000 sq.ft. waterbound macadam, etc., to Bates & Borland, Bank of Savings Bldg., Oakland, $248,527. Noted June 14.

Calif., San Jose—Improving portions 7th St., to San Jose Paving Co., San Carlos and Dupont Sts., 153,677 sq.ft. 1½ in. warrenite on 3 in. asphaltic concrete $0.25, concrete curb $0.65, concrete gutter $0.25, etc.

Calif., Stockton — Improving Ash, East Scotts, and East Hazelton Sts., etc., in Villa addition, 33,862 sq.ft. walks, 122,730 sq.ft. 2 in. asphalt macadam on 4 in. cementing gravel, etc., to Blumenkranz & Vernon, Farmers & Merchants Bldg., $36,782. Noted June 14.

Que., Montreal—To B. Brault, Ltd., 2855 Rosemount Blvd., surfacing with 2 in. asphalt 4,200 sq.yd. Lebrin St. $20,460, 4,400 sq.yd. Mercier St. $21,980, surfacing with 3 in. asphalt 4,005 sq.yd. Jeanne Mance St. $15,050; to Sicily Asphaltum Paving Co., 60 St. Viateur St., surfacing with 2 in. asphalt 1,858 sq.yd. St. Hubert St. $8,964, 8,050 sq.yd. Esplanade Ave. $29,570; to Quinlan, Robertson & Janin, Ltd., 52 Duluth Bldg., surfacing with 2 in. asphalt 3,400 sq.yd. Chomedy St. $19,815, surfacing with 3 in. asphalt 5,738 sq.yd. Ryde St. $23,360, 6,700 sq.yd. St. Charles St. $25,590, 6,500 sq.yd. Knox St. $24,222, 11,214 sq.yd. Eadie St. $51,124. Noted June 28.

Ont., Burlington—Paving various streets, 15,000 sq.yd. concrete, etc., to McArthur Eng. Co., Ltd., Douglas St., Guelph, $2.10 per sq.yd.

Ont., Chatham—Concrete base on Queen St. S., to G. W. Cutter Co., Chatham, $10,610; on Elizabeth, St. Clair, Barthe and Colborne Sts., to Western Constr. So., c/o C. H. R. Fuller, city engr., Chatham, $10,857. City supplies all materials and puts asphalt top on above streets, by day labor. Work involves 21,000 sq.yd. asphalt on concrete. Noted Apr. 5.

Ont., Lindsay—Victoria Co., 6,300 lin.ft. concrete edging and 600 ft. concrete curb at Babcogeon, 3,200 sq.yd. bituminous macadam and 3,200 ft. concrete edging in Fenelon Falls, to F. King, Lindsay, $41,000. Noted May 31.

Ont., Peterboro—Paving Hunter St. and George St., 10,000 sq.yd. concrete and asphalt, etc., to J. Carroll, Peterboro, $40,676. Noted June 7.

Ont., Toronto — Concrete sidewalks on Lawlor Ave., to Grant Contg. Co., 50 Front St., E; Norman and Pendrith Aves. and St. Clair Ave. W. to Ramsay Contg. Co., 39 Indian Crescent; Elmer, Raglan, Park and Rhyle Aves., Gifford and Nasmith Sts., Glenmouth Park Rd., and Vaughan Crescent, to S. Simpson, 41 Stibbard St.; Knox, Park and Salem Aves., to F. Angotti, 819 St. Clarens Ave.; Ballenburg, Boxwood, Castlefield, Deloraine, Gillard, Glenfern, Glenforest, Hastings, Lawton, Lidner, and Norway Aves., and Oriole Gardens, to Works Dept., City Hall, by day labor. Contract prices per lin.ft. 4-6 ft. wide $1.125-$1.30, 6 ft. wide $1.61 8 ft. wide $2.05-$2.30. Total est. $40,000. Noted May 3.

Ont., Toronto—Paving various streets, to Godson Contg. Co., Manning Chambers, 3,200 sq.yd. asphaltic concrete on concrete $14,078, 7,500 sq.yd. asphalt on concrete $31,231, 4,000 sq.yd. asphalt $8,258; to Grant Contg. Co., 50 Front St. E., 1,200 sq. yd. brick block on concrete $6,972, 5,000 sq. yd. granite block $13,455; to Kelmer & Barker, 24 Adelaide St. W., 1,600 sq.yd. asphaltic concrete on brick block $9,100, 4,000 sq. yd. asphalt on concrete $15,388; to Construction and Paving Co., Confederation Life Bldg., 12,000 sq.yd. asphalt on concrete $58,305; to Warren Bituminous Paving Co., 54 University Ave., 11,000 sq.yd. bitulithic on concrete $45,827; to Ramsay Constr. Co., Indian Crescent, 2,500 sq.yd. concrete $8,283; concrete sidewalks to A. Johnson, Fairmount Crescent, A. E. Jupp Constr. Co., 170 Berkeley St., Murphy Contg. Co., Wychwood Ave., and D. Mackay, 287 Ashdale Ave., about $25,000.

Ont., Toronto—York Twp., 40 Jarvis St., concrete sidewalks (mostly 4-6 ft. wide), on Bude St., to J. Harrop, 1414 Davenport Rd., $4,700; Dentonia Park, Lascelle, Lumsden, Monarth Park, Poulton and Queensdale Aves., to H. S. Walton, 60 Gamble Ave., $17,350; Park Rd. to Natl. Contg. Co., 9 Garnock Ave., $1,650; Rushton Rd., to S. Simpson, 41 Stibbard St., $2,200. Owner will construct sidewalks on Stratton Ave., $1,700, by day labor.

British Columbia — Provincial Government, Victoria, grading and gravel surfacing 3½ mi. Kitchener-Goat River Road in East Kootenay, 18 ft., to De Wolfe & Ham, Cranbrooke, $35,000; 1½ mi. Stewart-Hyder Rd., along Portland Canal, to O. M. Watson & Co., Stewart, $31,000.

Industrial Works

BIDS DESIRED

N. Y., Glendale (Brooklyn, P. O.)—Osbruck Realty Co., Inc., 2332 Myrtle Ave., Ridgewood, will build 1 story, 102 x 186 ft., brick and steel garage and show room, on Pansy St., south of Central Ave., here. $40,000. Work will be done by separate contracts under supervision of H. C. Brucker, archt., 2549 Myrtle Ave., Ridgewood.

N. Y., New York—July 13, by J. Miller, pres. Manhattan Boro, Municipal Bldg., additions and alterations at asphalt plant, 90th St. and East River.

Pa., Johnstown—Borinson Motor Car Co., 212-218 Main St., receiving bids 3 story, 66 x 140 ft. garage, brick and steel, Main St. $80,000. E. Robinson, pres. H. M. Rogers, Trust Bldg., archt.

Wis., Hurley—Montreal Mining Co., taking bids 2 story and basement, dry house, brick and timber, plain foundation. $150,000. O. M. Schaus, supt. Private plans.

Wis., Oshkosh—July 10, by Auler & Jensen, archts., F. R. A. Bldg., 1 story, 48 x 84 ft. creamery, and 30 x 58 ft. stable, brick, tile and concrete, plain foundation, Main St., for Winnebago Dairy Products Co., 332 Main St. $40,000.

BIDS RECEIVED

O., Gallipolis—See "Buildings."

O., Orient—Dept. Pub. Welfare, 9th and Oak Sts., Columbus, June 27, 1 story and basement, 48 x 115 ft. cold storage plant, brick and concrete, at Institution for Feeble Minded, here, from D. W. McGrath & Son, 255 East Broad St., Columbus, $20,000. Noted June 7.

Calif., Oroville — Wyandotte Canneries, Inc., constructing cannery, frame and corrugated iron, from Davison & Nicolsen, 736 West Lafayette St., Stockton, $72,000. Noted Feb. 22.

CONTRACTS AWARDED

Conn., Forrestville—Wallace Barns Co., 3 story, 32 x 125 ft. factory, to C. Vacca, 19 Main St., Bristol. Archts. est. $70,000.

Conn., Middletown—B. Williams, 34 Silver St., South Farms (Middletown P. O.), 1½ story, 90 x 90 ft. garage, brick and steel, plain foundation, Center St., to D. O'Brien & Sons Co., 15 McDonough St. Archts. est. $40,000. Noted June 7.

N. Y., Buffalo—Mann Bros. & Co., 340 Ohio St., 4 story and basement, 50 x 70 ft. addition to oil building, to Turner Constr. Co., 244 Madison Ave., New York.

N. Y., Falconer—Amer. Mfg. Concern will build 3 story, brick and timber factory addition, Work St., by day labor. $50,000. Engineer and architect not announced. Noted May 15.

N. Y., Jamestown — Jamestown Metal Desk Co., Blackstone Ave., 1 story, brick and steel plant addition, to Mathen, Guinanane & Ludwig, 303 North Main St. Archts. est. $50,000. Noted May 3.

N. Y., New York—Bricken Constr. & Impvt. Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build brick, steel and concrete factory, plain foundation, West 38th St., by day labor. $850,000.

N. Y., New York—Edes Garage, Inc., c/o L. A. Sheinart, archt. and engr., 194 Bowery, will build 1 story, brick, steel and concrete garage, plain foundation, West Farms Rd., by day labor. $60,000.

N. Y., Yonkers—Otis Elevator Co., 11th Ave. and 26th St., New York, 5 story, 90 x 145 ft. plant addition, here, to Turner Constr. Co., 244 Madison Ave., New York.

N. Y., Yonkers—Alexander Smith & Sons Carpet Co., Elm and Palisades Aves., 2 story, 26 x 152 ft. and 1 story, 30 x 101 ft. extensions to Mill 9, to Turner Constr. Co., 244 Madison Ave., New York.

Pa., Phila. — Terminal Warehouse & Transfer Co., Delaware Ave. and Green St., 8 story and basement, 102 x 148 ft. warehouse, to Turner Constr. Co., 244 Madison Ave., New York.

Pa., Pittsburgh—Allegheny County Steam Heating Co., 703 Chamber of Commerce Bldg., 6 story and basement, 62 x 68 ft., brick, tile and rein.-con. central heating plant, Duquesne Way, to Dwight P. Robinson Co., Inc., 125 East 46th St., New York City. Engrs est. $1,000,000.

Pa., Pittsburgh—Conroy-Prugh Glass Co., 1430 Western Ave., 4 story and basement, 60 x 103 ft. factory, to Inland Constr. Co., 5612 Penn Ave.

O., Cleveland—Anders & Reimers, archts., Erie Bldg., 3 story and basement, brick and concrete packing plant addition, West 65th St. along tracks of Cleveland, Cincinnati, Chicago & St. Louis R.R., to Schirmer-O'Hara Co., 2031 Euclid Ave., for Theuer-Norton Co., 3136 West 63rd St. Archts. est. $100,000. Noted Mar. 22.

O., Cleveland—Cleveland Electric Illuminating Co., Illuminating Bldg., 3 story, 108 x 194 ft., brick, steel and concrete substation, East 70th St. and Lake Erie, to J. Gill & Sons, Citizens Bldg. Archts. est. $750,000. Noted May 17.

O., Cleveland—Mapleleaf Dairy Co., 2028 West 32nd St., 2 story and basement, 45 x 95 ft., brick and timber factory, 1809 Auburn Ave., to H. E. Klefman Co., 2840 Lorain Ave. Archts. est. $40,000.

O., Cleveland—C. J. Menk, 2572 Kenilworth Ave. 2 story and basement, 44 x 80 ft., brick and timber factory, 643 East 103rd St., to Vaner-Smith Co., 1774 East 88th St. Archts. est. $40,000.

O., Cleveland — Standard Sanitary Mfg. Co., 4402 Euclid Ave., 2 story and basement, 67 x 150 ft., brick, steel and concrete display room and warehouse, 10800 Lorain Ave., to S. W. Wmerson Co., 1836 Euclid Ave. Archts. est. $150,000.

O., Cleveland—See "Buildings."

Ill., Quincy—Quincy Gas, Electric & Heat Co., 60 x 75 ft. brick and concrete retard house, 18 horizontal coke ovens, conveyors, etc., to Russell Eng. Co., Ry. Exch. Bldg., St. Louis, Mo. Engrs. est. $200,000.

Wis., Columbus—Chisholm-Scott Viner Co., 2 story, 50 x 100 ft. factory, incl. 40 ft. smokestack and boiler room, brick, rein.-con. and steel, plain foundation, to Hasenfus & Ibisch, Columbus. Archts. est. $50,000.

Wis., Manitowoc—Manitowoc Portland Cement Co., 16th and River Sts., 1 story, 75 x 500 ft. cement mill, brick, rein.-con. and steel, plain foundation, South 26th St., to MacDonald Eng. Co., 53 West Jackson Blvd., Chicago. Archts. est. $1,000,000. Noted June 14.

Wis., Oconto—Oconto Lumber Co., 1 story, 40 x 80 ft. power house and 60 x 150 ft. dry kiln, brick and timber, plain foundations, to J. Young & Bros., Oconto, and J. Derks, Oconto. Archts. est. $60,000.

Wis., Sheboygan—Lincoln Plywood Co., South Water St. and New York Ave., 1 story, 50 x 90 ft., factory and dry kiln, brick, rein.-con. and steel, plain foundation, to Verhulst Co., Inc., 2221 Calumet Dr. Archts. est. $50,000.

Mo., St. Louis—P. A. Schulze Butter Co., 1014 South Cardinal Ave., 1 and 2 story, 48 x 138 ft., brick and concrete factory, South Grand Ave., to Wimmer Constr. Co., Victoria Bldg. Archts. est. $50,000.

Ark., Camden—O. B. Burns, 2 story, 50 x 110 ft. garage, Adams and Jackson Sts., to H. G. Burnham, 1410 13th St., Pine Bluff. Archts. est.

Colo., Denver—Blayney-Murphy Packing Co., Union Stockyards, 5 story, 300 x 400 ft., rein.-con. packing plant, 48th and Gilpin Sts. to C. S. Lamble, 1759 Stout St. Archts. est. $1,000,000. Noted Nov. 23.

Ore., Astoria—Astoria Central Heating

Industrial Works **(Continued)**

Co., will build central heating plant, by day labor. $102,000. F. B. Nye, secy. and resident mgr. F. J. Dorsey, Vancouver, B. C., engr.

Calif., Stockton — Davis-Heller-Pearce Co., Delta Bldg., will build 2 story and basement, 100 x 100 ft., garage and auto salesrooms, rein.-con., American and Channel Sts., by day labor. $80,000. Studebaker Agency, Stockton, lessee.

Buildings

PROPOSED WORK

N. Y., New York—Apartment—St. James Episcopal Church, c/o P. C. Hunter, archt. and engr., 191 9th Ave., soon takes bids 5 story, 90 x 150 ft., brick, steel and stone, plain foundation, Morris Ave. $250,000.

N. Y., New York—Clubhouse—Knights of Columbus, 244 West 51st St., having plans prepared by Edward F. Fanning, archt. and engr., 522 5th Ave., 12 story, 100 x 150 ft., brick, steel and stone, plain foundation, 8th Ave. and 51st St. $1,650,000. Noted May 3.

Del., Wilmington—Exchange—Bell Telephone Co., 6th and Shipley Sts., plans new exchange on 9th and Tatnall Sts $1,000,000.

Wis., Milwaukee—Hotel—Hotel Wisconsin, 172 3rd St., and Holabird & Roche, archts., 104 South Michigan Ave., Chicago, soon take bids 12 and 15 story, 50 x 150 ft., brick, concrete and terra cotta addition, plain and wood pile foundation. $1,000,000. Noted Jan. 18.

Mo., Kansas City—School—Bd. Educ. takes bids in about 3 weeks, Francis Willard School, 2 story and basement, 103 x 258 ft., rein.-con., brick, steel and stone. $225,000. C. A. Smith, 601 Finance Bldg., archt.

Tex., Eagle Lake—High School—School Bd. havings plans prepared by Giesecke & Harris, archts. and engrs., 408 Littlefield Bldg., Austin, and takes bids about July 10, 2 story, 90 x 140 ft. rein.-con. and brick, concrete pile foundation. $150,000.

Que., Montreal—Office—Ross & McDonald, archts., Belmont St., preparing plans New Keefer Bldg., 10 story, concrete, brick, hollow tile, marble and stone, St. Catherine and McKay Sts. $2,000,000.

BIDS DESIRED

N. Y., Mt. Vernon—Bank and Office—July 31, by Eastchester Savings Bank 6 story, brick, steel and stone, plain foundation. $500,000. Holmes & Winslow, 134 East 44th St., New York, archts. and engrs. Noted June 14.

Pa., Phila.—Apartment—T. J. Whelan, 17th and Summer Sts., will build 4 story, 60 x 195 ft., brick, steel and stone, plain foundation, City Line Ave., Overbrook, here, by separate contracts. $350,000. H. W. Goddard, Engr., 1524 Chestnut St., receiving bids.

Md., Towson (Baltimore, P. O.)—Dormitories—July 9, by Smith & May, archts., Calvert Bldg., Baltimore, 5 story, 40 x 140 ft. brick addition for State of Maryland Bd. Educ. $150,000. Noted Feb. 23.

W. Va., Charleston—Club—July 10, by Kanawha Holding Corp., 2 story, brick and steel. $300,000. L. Lott, 35 East 1st St., Dayton, O., archt. Noted June 14.

O., Akron—Bank and Office—July 7, by A. Hopkins, archt., 101 Park Ave., Cleveland, 12 story, brick, steel and concrete, South Main St., here, for Akron Savings & Loan Co. $600,000.

O., Cleveland—Commercial—Watson Eng. Co., archts., 4614 Prospect Ave., taking bids and open same about July 9, 3 story (ultimately 8 story) 66 x 189 ft., brick, steel and concrete, Euclid Ave. near East 18th St., for J. J. Callow, 1900 Euclid Ave. $150,000. Noted Mar. 29.

O., Cleveland—Sunday School and Recreation—Pearl Rd. Methodist Episcopal Church, 3528 Muriel Ave., taking bids and opens same about July 9, 3 story and basement, 50 x 150 ft., brick and steel, Pearl Rd. $150,000. W. H. Nicklas, 1900 Euclid Ave., archt. Noted Mar. 15.

O., Lakewood (Cleveland P. O.)—School—July 9, by Bd. Educ., 50 ft. connecting corridors and 1 story top addition, Bunts Rd. and Franklin Ave. $150,000. C. W. Hopkinson, Rose Bldg., Cleveland, archt.

O., St. Marys—School—July 19, by Bd. Educ., 2 story, rein.-con. and brick, plain foundation. $175,000. Walker & Norwick, 1301 Amer. Bldg., Dayton, archts. Noted Apr. 19.

Wis., Milwaukee—Business—July 9, by M. Tullgren & Sons Co., archts., 425 East Water St., 2 story, 102 x 150 ft., brick, tile and concrete, plain foundation, for J. Saxe, 104 11th St. $150,000.

Wis., Milwaukee—Temple—July 14, by Elks Building Comm., 208 City Bank Bldg., and R. Messmer & Bros., archts., 221 Grand Ave., 8 story, 110 x 145 ft., brick and concrete, Mason and Marshall Sts. $1,000,000. Noted May 10.

Wis., Oshkosh—Hospital—July 9, by E. Brielmaier & Sons Co., archts., 432 Bway., Milwaukee, 4 story and basement, 46 x 100 ft., brick and concrete addition, plain foundation, Hazel St., for Mercy Hospital, 185 Hazel St. $150,000. Noted Feb. 1.

Tex., Austin—Biology—University Texas Bd. of Regents receiving bids 3 story and basement, 69 x 92 ft., brick, rein.-con., terra cotta and stone, on campus. $400,000. H. M. Greene, 620 North Texas Bldg., Dallas, archt. Noted June 21.

Calif., Los Angeles — Loft — Walker & Eisen, archts., Pacific Finance Bldg., receiving bids 5 story and basement, 50 x 150 ft., rein.-con., 15th and Los Angeles Sts., for Los Angeles Rubber Stamp Co., 131 South Spring St.

Calif., Pomona—Lodge—Building Comm., B.P.O.E., 134 East Holt St., receiving bids 2 story and basement, brick. $150,000. Noted May 17.

Calif., San Diego—Hospital—St. Josephs Hospital, headed by J. J. Cantwell, Higgins Bldg., Los Angeles, receiving bids 6 story, rein.-con. $500,000. Engineer and architect not announced. Noted Mar. 22.

Calif., San Francisco—Apartment—E. E. Young, archt., 2002 California St., receiving bids 12 story and basement, fireproof, Taylor and O'Farrell Sts., for M. A. Little, c/o architect. $500,000. Noted May 17.

BIDS RECEIVED

O., Cleveland—Schools—Bd. Educ., East 6th St. and Rockwell Ave., June 18, general contract 2 story and basement, 172 x 306 ft. school and 33 x 78 ft. boiler house, brick, steel and concrete, East 106th St. and Sandusky Ave., from Drummond-Miller Co., 7900 Euclid Ave., $484,000, steam heat, from Feldman Bros., 10306 Barrett Ave., $74,245; general contract 2 story and basement, 172 x 306 ft. school, and 33 x 78 ft. boiler house, brick, steel and concrete, East 146th St. and Harvard Ave., from C. Peterson Co., 4500 Euclid Ave., $475,000, steam heat, from Feldman Bros., 10306 Barrett Ave., $74,245. Noted May 31.

O., Gallipolis—Hospital, Cottage, etc.—J. E. Harper, dir. Dept. Pub. Welfare, 9th and Oak Sts., Columbus, June 27, 2 story and basement, 30 x 130 ft. cottage, 2 story and basement hospital, and 1 story and basement, 80 x 130 ft. laundry, brick and concrete, at Ohio Hospital for Epileptics, here, from E. Elford, 60 East Broad St., Columbus, $182,180. Noted June 7.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 82 x 144 ft. and 79 x 101 ft., brick, steel and rein.-con. addition, plain foundation, Fullerton Ave., from Rosenwarne, McNab & Worewick, 333 State St., $354,520.

Mich., Lansing—Temple—Masonic Temple Assn., Amer. State Savings Bank Bldg., 7 story, 100 x 165 ft., South Capitol Ave., from Christman Constr. Co., Porter Apartments, $599,000.

Que., Montreal—City Hall—For supply of stone and construction of stone walls for new city hall, from A. D. Boileau, 245 McDougall St., $182,000.

CONTRACTS AWARDED

Conn., Hartford—Apartment—Gordon & Wagman, 321 Garden St., will build 3 story, 90 x 160 ft., brick, plain foundation, Garden St., by day labor. $200,000. G. Zunner, 182 High St., archt. Noted June 21.

N. Y., Brooklyn — Apartment — Hamel Realty Corp., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build 5 story, brick, steel and stone, plain foundation, Eastern Parkway, by day labor. $175,000.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York, 3 story, 200 x 213 ft., brick, steel and stone, plain foundation, Rockaway Ave. near Riverdale Ave., to Turner Constr. Co., 244 Madison Ave., New York. Archts. est. $700,000. Noted June 28.

N. Y., New York—Apartment — A. A. Bimberg, 1520 Bway., will build 15 story, 120 x 125 ft., brick, steel and stone, plain foundation, West 44th St., by day labor. Rouse & Goldstone, 512 5th Ave., archts. and engrs.

N. Y., New York—Apartment—Florea Building Corp., c/o G. E. Miller, archt. and engr., 1482 Bway., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Davidson Ave., by day labor.

N. Y., New York—Apartment—F. P. B. Corp., c/o G. E. Miller, archt. and engr., 1482 Bway., will build 6 story, 100 x 115 ft., brick, steel and stone, plain foundation, Webb Ave. and 170th St., by day labor. $250,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 60, brick, steel and stone, East 12th St., to G. Dekempie, 30 Church St., $1,185,000. Noted June 28.

Pa., Johnstown—Store—Penn Traffic Co., Washington St., 5 story and basement, 79 x 87 ft. addition, to Berkibile Bros., Swank Bldg., fee basis. Archts. est. $350,000.

W. Va., Charleston—Hospital—Mountain State Hospital Co., 3 story and basement, 50 x 198 ft., Virginia Ave., to Higginbotham & Jones, 702 Charleston Natl. Bank Bldg. Archts. est. $200,000. Noted May 24.

N. C., Winston-Salem—Church—First Baptist Church, constructing church, to J. A. Jones Constr. Co., Realty Bldg., Charlotte, $365,000.

Ala., Birmingham — Auditorium — City Comrs., 3 story, 130 x 160 ft., brick and steel, 8th Ave. and 20th St., general contract to Day & Sachs, 2400 Ave. E, $408,000. Noted June 7.

Ky., Paducah—Apartment—C. C. Davis, 3 story, 50 room, 7th and Monroe Sts., to M. Stewart, Paducah. Est. cost $150,000.

O., Cleveland—Apartment—Rosen Bros., 201 Ulmer Bldg., 3 story and basement, 37 x 120 ft., brick and timber, East 82nd St. near Hough Ave., to I. Lessowitz, 1091 East 111th St. Archts. est. $150,000. Noted May 31.

O., Cleveland—Office—J. L. Free Co., 1004 Prospect Ave., 8 story, 73 x 93 ft., brick, steel and concrete addition, 1227 Prospect Ave., to Crowell & Little Constr. Co., 3751 Prospect Ave. Archts. est $250,000.

O., Cleveland — Sale, etc. — Euclid-66th Co., c/o J. J. Klein and G. B. Harris, attorneys, Engineers Bldg., 2 story and basement 75 x 100 ft. auto sales, and 2 story and basement, 80 x 110 ft. service building, brick and concrete, 6604 Euclid Ave., to Bolton-Pratt Constr. Co., Columbia Bldg. Archts. est. $150,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 83 x 245 ft. and 80 x 102 ft., rein.-con., brick and steel, Joy Rd., to F. H. Goddard, 2130 Franklin St., $349,891. Noted June 21.

Wis., Madison—Hotel—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, 10 story and basement, 132 x 144 ft., brick and concrete, plain foundation, West Washington St., to S. M. Siesel Co., 160 Ogden Ave., Milwaukee. Archts. est. $1,000,000. Noted May 31.

Wis., Manitowoc—Hotel—Dickinson Hotel Co., c/o Manitou Hotel, 5 story, 50 x 91 ft., brick, rein.-con. and brick, plain foundation, to T. Stark Co., 130 Muskego Ave., Milwaukee. Archts. est. $165,000.

Wis., Milwaukee—Apartment — Franklin Arms Apartment Co., c/o Rosman & Wierdsma, archts., 424 Jefferson St., 3 story, 118 x 146 ft., brick, tile and concrete, plain foundation, to C. B. Danielson, 638 Mineral St. Archts. est. $200,000. Noted Mar. 29.

Wis., Milwaukee—Store and Office—Straus Bldg., Corp., 97 Wisconsin St., 11 story, 40 x 100 ft., brick, concrete and steel, plain and wood pile foundation, Grand Ave., general contract to G. E. Kahn, 114 Grand Ave.; 250 tons structural steel sublet to Milwaukee Structural Steel Co., 19th St. and St. Paul Ave. Archts. est. $400,000.

Wis., Viroqua—High School—Bd. Educ. general contract 3 story and basement, 87 x 180 ft., brick, tile and concrete, plain foundation, to Schaefer & Olsen, 222 Bay St., Chippewa Falls, $121,518; heating and ventilating to Bann & Fehlberg, Viroqua. $31,500. Noted June 7.

Mo., Kansas City—Hotel—W. Jewell, Jr., 227 Rialto Bldg., will build 6 story and basement, 75 x 100 ft., rein.-con., brick and stone, 14th and Central Sts., by day labor. $200,000. Wilkerson & Crans, 608 Interstate Bldg., archts.

Tex., San Antonio—Church—Presbyterian Church, 2 story, 60 x 80 ft., rein.-con., brick, stone and tile addition, concrete pile foundation, 402 Avenue D, to McKenzie Constr. Co., 616 Bedell Bldg., $154,678. Noted June 21.

Calif., Long Beach—Apartment—W. Garner and H. Alsop, 40 Locust Ave., 4 story and basement, rein.-con., Magnolia Ave., to Graham Constr. Co., 453 South Springs St., Los Angeles, $150,000. Noted June 6.

Calif., Los Angeles — Apartment — San Jacinto Dwellings Co., c/o Russell & Alpaugh, archts., Story Bldg., 13 story, rein.-con., 6th and Carondelet Sts., to Richardson Building & Eng. Co., 141 Larchmont Blvd., $700,000.

Calif., Los Angeles—Store—May Dept. Store, Hill St., steel work for 9 story addition, to Llewellyn Iron Wks., 1200 North Main St., $305,000.

Calif., Oakland—Loft and Store—Midgley Co., Amer. Theatre Bldg., San Pablo and 17th Sts., 2 story and basement, concrete, 16th St. and San Pablo Ave., to P. A. Palmer, Monadnock Bldg., San Francisco, $150,000.

Calif., Sacramento — School — Roman Catholic Archbishop, (St. Frances Parish) 12th and K Sts., 3 story and basement, rein.-con., 25th and K Sts., to W. C. Keating, Forum Bldg., $150,000. Noted Jan. 18.

Buildings (Continued)

Calif., Stockton—City Hall—Constructing city hall, fireproof, on block bounded by El Dorado, Center, Fremont and Lindsey Sts., general contract to H. S. Williams, 180 Jessie St., San Francisco, $398,000; mechanical equipment (incl. plumbing, heating, ventilating and electric work) to E. L. Gneckow, 647 East Main St., $61,068; jail equipment to Ralston Iron Wks., 20th and Indiana Sts., San Francisco, $36,465. Noted June 28.

Que., St. Hyacinthe—College—Freres Maristes, 4 story, 47 x 170 ft., concrete, brick and stone, to Ulric Boileau Ltd., 568 Garnier St., $150,000.

Ont., Ottawa—Home—Ottawa Hospital Comn., completing civic hospital, incl. nurses' home, to Taylor & Lackey, Central Station, $400,661; elevator for service building, to Otis Fensom Elevator Co., 254 Queen St., Ottawa, $61,305; ice machines to Canadian Ice Machine Co., Viliers St., Toronto, $33,621.

B. C., Victoria—Office—Canadian Pacific Ry., Windsor St., Montreal, Que., will build 4 story, office and terminal, rein.-con., Belleville St. Docks, here, by day labor. $200,000.

Federal Government Work

BIDS DESIRED

Del., Wilmington—Excavation—Aug. 2, at office U. S. Engineer, Wilmington, excavating inland waterway from Delaware River to Chesapeake Bay, Delaware and Maryland; adv. this issue. Noted Mar. 15.

O., Marion—Extension—July 27, by Treas. Dept., Wash., D. C., extension to building and driveway at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Mich., Detroit—Stone—July 30, at office U. S. Engineer, Detroit, furnishing and placing stone for rubble mound at Alpena Harbor; adv. this issue.

BIDS RECEIVED

N. Y., Buffalo—Dredging, etc.—U. S. Engineer, dredging and rock removal in Black Rock Channel, from Great Lakes Dredge and Dock Co., Morgan Bldg., $272,000. Noted May 24.

Pa., Phila.—Engine Testing Laboratory—Spec. 4845—Bureau Yards & Docks, Navy Dept., Wash., D. C., engine testing laboratory, at Navy Yard, here, from Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., $82,145. Noted June 21.

Va., Yorktown—Power Plant Equipment, etc.—Spec. 4826—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment and piping at Navy Mine Depot, here, from Noland-Clifford Co., 330 28th St., Newport News, $15,265. Noted June 7.

Mich., Detroit—Dredging—U. S. Engineer, Detroit, dredging in Livingstone Channel, mouth of Detroit River, from G. H. Breyman & Bros., 103 Chamber of Commerce Bldg., Toledo, O., 740,000 cu.yd. at $0.397. Noted May 31.

Ill., Chicago—Sewer Extension—Spec. 4851—Bureau Yards & Docks, Navy Dept., Wash., D. C., sewer outfall extension at Great Lakes Naval Training Station, here, from Great Lakes Dredge and Dock Co., 104 South Michigan Ave., (1) $28,500 (2) $28,000 (120 days). Noted June 7.

CONTRACTS AWARDED

Mass., Boston—Repairs, etc.—Spec. 4848—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs and alterations to Commanding Officer's quarters, Marine Barracks, here, to Howard Bros., 412 Dorchester Ave., South Boston, $17,874 (120 days).

N. J., Lakehurst—Oil Pipe Line—Interior Dept., Wash., D. C., oil pipe line for helium plant, here, to L. S. Sauers, Lakehurst, $16,692 (35 days).

Va., Norfolk—Roads—Spec. 4867—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads at Naval Hospital, here, to J. W. Addenbrooks Sons, Inc., 125 East 24th St., $9,830.

Utah—Roads and Bridges—U. S. Bureau Pub. Rds. Colonel Hudson Bldg., Ogden, grading and structures on 13 mi. Cedar Long Valley Rd. and 7.5 mi. Panquitch-Tropic Rd., to Higbee Constr. Co., Cedar City, $87,882 and $66,853 respectively. Noted May 3.

Calif., San Diego—Grading—Spec. 4872—Bureau Yards & Docks, Navy Dept., Wash., D. C., grading at Marine Corps Base, here, to H. G. Fenton, Dewey and Main Sts., $4,403 (60 days).

Miscellaneous

PROPOSED WORK

Athletic Field, etc.—Bristol, Conn.—Endee Club plans athletic field and gymnasium, $85,000. G. R. Marsh, 213 Summer St., chf. building com.

Oil and Gas Well—Dunkirk, N. Y.—Dougherty Development Co., plans extensive oil and gas well drilling, near here, $50,000. F. L. Dougherty, pres.

Underground Conduits—Hornell, N. Y.—Western Union, 80 Main St., plans placing all lines in underground conduits. $25,000.

Parks—Bluefield, W. Va.—See "Buildings."

Swimming Pool—New Orleans, La.—Bd. Park Comrs. having plans prepared 2 concrete swimming pools at Audubon Park, 154 x 390 ft. outdoor and 50 x 140 ft. indoor, tile lined with building capable of storing 2,500 steel lockers, etc. Dimensions of indoor pool with building to be 192 x 200 ft. overall rein.-con. structure. $130,000. S. Stone, 714 Union St., archt.

Park System—Paducah, Ky.—City Comrs. authorized $150,000 bonds for development of park system. H. A. Pulliam, comr. pub. wks.

Transmission Line Iron Mountain, Mich.—Michigan Iron Land & Lumber Co. making plans 2 mi. high voltage transmission line from here to factory on Menominee River, $25,000. Mead & Seastone, Journal Bldg., Madison, Wis., engrs.

Dry Dock—Green Bay, Wis.—Green Bay Dry Dock Co., Pearl and Arndt Sts., having plans prepared 60 x 1,250 ft. floating dry dock. $300,000. W. T. Donnelly, 17 Battery Pl., New York City.

Steam Heating Plant—Wisconsin Rapids, Wis.—Bd. Educ. making plans new steam heating plant in Lincoln High School, incl. 2 low pressure boilers. $25,000. Private plans.

Wharf and Terminal—Corpus Christi, Tex.—Neuces County having plans prepared and soon takes bids wharfage and terminal facilities for deep channel port, $1,000,000. Sands & Cummins, Houston, engrs. Noted Nov. 16.

Traffic System—Ft. Worth, Tex.—Plans electrically operated traffic system for business section. $25,000. D. L. Lewis, city engr.

Street Lighting System—Bakersfield, Calif.—Plans street lighting system on 60 blocks. To exceed $25,000.

Park Improvements—Eureka, Calif.—Defeated $100,000 bonds for park improvements. Noted May 31.

Park and Playground Improvements—Long Beach, Calif.—Voted $900,000 bonds for park and playground improvements. Noted June 21.

Street Equipment—Visalia, Calif.—City to vote on $10,000 bonds to purchase street equipment, incl. motor street sweeper. B. J. Pardee, city Mgr.

Power Development—North Bay, Ont.—Hydro Electric Power Comn., 190 University Ave., Toronto, plans Bingham Chutes development incl. twp. 450 kva. units, about 1,200 hp.; Nipissing power development increased by adding 1,200 hp. unit and new wood stave pipe line; 4,000 hp. at Coxs Chutes and 1,000 hp. at Elliotts Chutes, both on South River; 600 hp. Diesel oil engine reserve in North Bay for low water conditions. $500,000. F. A. Gaby, ch. engr.

Shaft Sinking—Schumacher, Ont.—McIntyre-Porcupine Mines plans to sink main shaft to depth of 5,000 ft. and to increase milling capacity by erecting new mill on another section of their mine. Work involves hoisting equipment, crushers, tube and ball mills, pumps, electric motors.

BIDS DESIRED

Bituminous Road Material, etc.—New York, N. Y.—July 12, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., bituminous road surfacing material (for hot use), asphaltic cement and asphalt wearing surface sand.

Lignin Binder—Trenton, N. J.—July 16, by State Hy. Dept., 574,230 gal. lignin binder for surface treatment for gravel roads. A. W. Muir, Broad St. Bank, engr.

Cables—Phila., Pa.—See "Bridges."

Subway—Phila., Pa.—July 24 at office W. S. Twining, dir. Dept. of City Transit, 1211 Chestnut St., 2 track subway in Arch St.; adv. this issue. Former bids rejected. Noted May 31.

Timber Sluice and Sheathing—Wilmington, Del.—July 17, by President of Levy Court, County Bldg., timber sluice and sheathing across channels of Augustine Creek, etc. C. E. Grubb, co. engr.; adv. this issue.

Cement—Baltimore, Md.—July 11, by Bd. Awards, furnishing and delivering cement. J. R. Pitcher, city purch. agt.

Culvert—St. Louis, Mo.—July 24, by Bd. Pub. Serv., 208 City Hall, 467.5 ft. rein.-con. culvert, 32 ft. inside diameter at base, to carry Delmar Blvd. over River Des Peres, 113,375 cu.yd. earth excav., 116,500 cu.yd. rein.-con., etc. $131,000. L. R. Bowen 301 City Hall engr.

Creosoted Sheet Piling—New Orleans, La.—July 12, by Bd. Port Comrs., 200 New Court Bldg., 57,600 ft. creosoted sheet piling.

Dock—New Orleans, La.—July 12, by Bd. Port Comrs., 200 New Court Bldg., rein.-con. dock, at Poland St. wharf.

Steam Heating Plant—Sheboygan, Wis.—W. C. Weeks, engr., 720 Ontario St., taking bids steam heating plant and 2 pressure boilers in store building, for Sells Real Estate Co., 901 North 8th St. $25,000.

Reinforcing Steel—St. Paul, Minn.—July 9, by H. W. Austin, city purch. agt., reinforcing steel for Wabasha Ave. bridge. No bids received June 11. Noted June 7.

Gas Pipe Line—Texas—Aug. 1, by Lone Star Gas Co., Amer. Exch. Bank Bldg., Dallas, 45 mi. gas pipe line from Ranger-Eastland gas field to Judd. $1,350,000. J. C. Brokaw, Amer. Exch. Natl. Bank Bldg., Dallas, engr.

Grain Elevator—Midland, Ont.—July 12, by C. J. Smith, genl. mgr. elevators and warehouses, Canadian Natl. R.R., 230 St. James St., Montreal, Que., 2,250,000 bu. rein.-con. storage annex to Tiffin Elevator 2, here.

BIDS RECEIVED

Dock—Cleveland, O.—Concrete dock from Cleveland Eng. Constr. Co., The Arcade, $32,400.

Lime—St. Louis, Mo.—G. Oetting, supply comr., furnishing 9,000 tons lime, f.o.b. cars Chain of Rocks, from Glencoe Lime & Cement Co., Syndicate Trust Bldg., $10.90 per ton.

CONTRACTS AWARDED

Asphalt Binder—New York, N. Y.—Bd. Purch., Municipal Bldg., asphalt binder and binder oil, for Dept. Parks—Bronx, to C. D. Beckwith, 2875 Bway., $1,450. Noted June 14.

Tunnel—New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Hall of Records, portion of 2 tunnels as approaches to river section of vehicular tunnel under Hudson River, on Island of Manhattan, Contr. 5, to Rodgers & Hagerty, Inc., Grand Central Terminal, $3,467,414. Noted June 7.

Wall—Pittsburgh, Pa.—Allegheny Cemetery, 47th and Butler Sts., 1,600 ft. stone wall, 2 ft. 6 in. wide, to A. and S. Wilson, 541 3rd Ave. Engrs. est. $30,000.

Pipe—Baltimore, Md.—Mayor and City Council, rein.-con. pipe, to Lock Joint Pipe Co., Ampere, N. J., $32,950.

Dock and Boat Basin—Sanford, Fla.—For dock and boat basin, 24,000 cu.yd. hydraulic sand fill, 1,750 cu.yd. rein.-con. 35,000 lin.ft. wood piling, 76,000 lb. steel, 11,000 ft. creosoted timber, etc., to Interstate Contg. Co., Sanford, $68,887. Noted May 31.

Stadium—Akron, O.—University of Akron single deck concrete stadium, to Carmichael Constr. Co., Hamilton Bldg., $35,000.

Street Lighting System—Shorewood, (Milwaukee, P. O.) Wis.—Installation, to Herman Andrae Electric Co., East Water St., $38,800; insulated wire, to Kerite Insulated Wire & Cable Co., 122 South Michigan Ave., Chicago, $13,449; concrete posts and transformer vaults, to Massey Concrete Products Co., Port Washington Rd., $12,705; transformers, to Kuhlman Electric Co., 26th and Jefferson Sts., Bay City, Mich., $6,047. Noted June 14.

Sewer Brick—St. Paul, Minn.—H. W. Austin, city purch. agt., 70,000 sewer brick for Water Dept., to St. Paul Builders Material Co., 605 Ryan Bldg., $5.60 per M. Noted June 7.

Tanks—Mexia, Tex.—Sinclair Crude Oil Purchasing Co., ten 80,000 bbl. tanks, involving 3,000 tons plate, here, to Chicago Bridge & Iron Wks., 30 Church St., New York City.

Foundations, etc.—South San Francisco (San Francisco, P. O.), Calif.—Metal & Thermit Corp., foundations, sewer work, pile driving and grading in connection with factory, to Coast Constr. Co., Crocker Bldg., San Francisco, $80,000. Noted May 10, under Industrial Works.

Fill—British Columbia—Kettle Valley Ry., c/o Canadian Pacific Ry., Windsor St., Montreal, Que., filling in trestles at Penticton, Summerland and Midway, 200,000 cu.yd. earth excav., 200,000 cu.yd. earth fill, to Nickson Constr. Co., Ltd., 410 Seymour St., Vancouver, $100,000.